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**NAN<sup>®</sup>**

Low Voltage

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NAN reserves the right to change specifications of products from time to time and at any time without notice.

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# Company Introduction

NAN Electrical Cable Australia Pty Ltd (NAN Cables), a subsidiary of Chinese industrial giant Guangdong Nanyang Cable Group Holding Co. Ltd, now brings to the Australian market the wealth of experience and expertise that has made its parent company the largest cable company in Southern China.

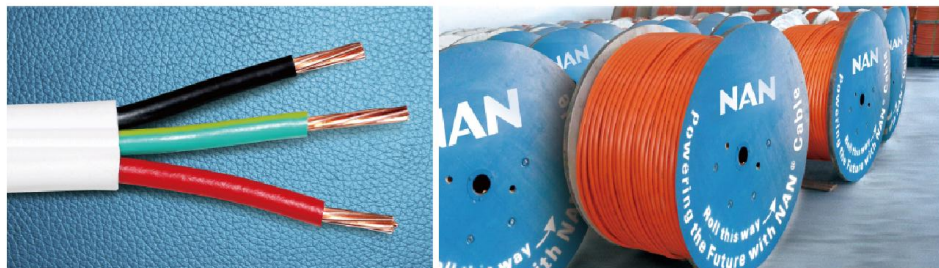
NAN Cables signals the start of an exciting new chapter in the company's drive to be recognised as a world leader in its field.

With four large-scale modern manufacturing plants equipped with some of the world's most advanced and sophisticated cable making machinery and testing equipment, NAN Cables offers a new high quality supplier to the Australian market.

NAN Cables "quality first, customer first" philosophy is credited for its innovative approach to product development and commitment to excellence which in turn has driven the company's remarkable growth and success.

Stringent quality controls at all production facilities and strict internationally-recognised testing at all stages of the manufacturing process ensures that nothing leaves the premises without the respected NAN Cables stamp of approval.

NAN Cables is now a part of the Australian landscape, here to serve Australian industry through leadership in technology and excellence in customer service.



## PVC Insulated Building Wire

Single core, copper conductors, 0.6/1kV V-90 PVC insulated to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm                       | kg/100m      |
| PBW915CLVXX  | 1.5                    | Stranded Cu         | 0.8                          | 3.1                      | 2.1          |
| PBW925CLVXX  | 2.5                    | Stranded Cu         | 0.8                          | 3.6                      | 3.2          |
| PBW004CLVXX  | 4                      | Stranded Cu         | 1.0                          | 4.5                      | 5.3          |
| PBW006CLVXX  | 6                      | Stranded Cu         | 1.0                          | 5.0                      | 7.2          |
| PBW010CLVXX  | 10                     | Stranded Cu         | 1.0                          | 6.0                      | 11.5         |
| PBW016CLVXX  | 16                     | Stranded Cu         | 1.0                          | 7.0                      | 17.3         |
| PBW025CLVXX  | 25                     | Compact Cu          | 1.2                          | 8.3                      | 25.7         |
| PBW035CLVXX  | 35                     | Compact Cu          | 1.2                          | 9.3                      | 34.6         |
| PBW050CLVXX  | 50                     | Compact Cu          | 1.4                          | 10.9                     | 47.0         |
| PBW070CLVXX  | 70                     | Compact Cu          | 1.4                          | 12.7                     | 66.1         |
| PBW095CLVXX  | 95                     | Compact Cu          | 1.6                          | 14.7                     | 91.3         |
| PBW120CLVXX  | 120                    | Compact Cu          | 1.6                          | 16.2                     | 114          |
| PBW150CLVXX  | 150                    | Compact Cu          | 1.8                          | 18.1                     | 141          |
| PBW185CLVXX  | 185                    | Compact Cu          | 2.0                          | 20.3                     | 176          |
| PBW240CLVXX  | 240                    | Compact Cu          | 2.2                          | 22.9                     | 230          |

Note:

The last two characters "xx" of the product code identify the core colour,

as:

BK = Black

BL = Blue

GY = Green/Yellow

RD = Red

WT = White



## PVC/PVC SDI

Single core, copper conductors, V-90 PVC insulated, PVC sheathed to AS/NZS 5000 1.5mm<sup>2</sup> to 16mm<sup>2</sup> 450/750V to AS/NZS 5000. 2 25mm<sup>2</sup> to 630mm<sup>2</sup> 0.6/1kV to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm                       | mm                       | kg/100m      |
| PSD915CLVXX  | 1.5                    | Stranded Cu         | 0.6                          | 0.8                      | 4.3                      | 3.3          |
| PSD925CLVXX  | 2.5                    | Stranded Cu         | 0.7                          | 0.8                      | 5.0                      | 4.9          |
| PSD004CLVXX  | 4                      | Stranded Cu         | 0.8                          | 0.9                      | 5.9                      | 7.3          |
| PSD006CLVXX  | 6                      | Stranded Cu         | 0.8                          | 0.9                      | 6.4                      | 9.5          |
| PSD010CLVXX  | 10                     | Stranded Cu         | 1.0                          | 0.9                      | 7.8                      | 14.8         |
| PSD016CLVXX  | 16                     | Stranded Cu         | 1.0                          | 1.0                      | 9.0                      | 21.6         |
| PSD025CLVXX  | 25                     | Compact Cu          | 1.2                          | 1.4                      | 11.1                     | 33.1         |
| PSD035CLVXX  | 35                     | Compact Cu          | 1.2                          | 1.4                      | 12.1                     | 42.8         |
| PSD050CLVXX  | 50                     | Compact Cu          | 1.4                          | 1.4                      | 13.7                     | 56.5         |
| PSD070CLVXX  | 70                     | Compact Cu          | 1.4                          | 1.4                      | 15.5                     | 77.2         |
| PSD095CLVXX  | 95                     | Compact Cu          | 1.6                          | 1.5                      | 17.7                     | 105          |
| PSD120CLVXX  | 120                    | Compact Cu          | 1.6                          | 1.5                      | 19.2                     | 129          |
| PSD150CLVXX  | 150                    | Compact Cu          | 1.8                          | 1.6                      | 21.3                     | 159          |
| PSD185CLVXX  | 185                    | Compact Cu          | 2.0                          | 1.7                      | 23.7                     | 197          |
| PSD240CLVXX  | 240                    | Compact Cu          | 2.2                          | 1.8                      | 26.5                     | 256          |

Note:

The last two characters "xx" of the product code identify the core colour,

as:

BW = Black insulation/White sheath

RW = Red insulation/White sheath

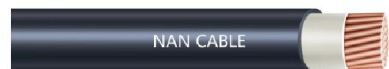
RB = Red insulation/Black sheath



## XLPE/PVC SDI (Cu)

Single core, copper conductors, 0.6/1kV X-90 XLPE insulated, PVC sheathed to AS/NZS 5000.1

| Product code            | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approx. mass |
|-------------------------|------------------------|---------------------|------------------------------|--------------------------|--------------------------|--------------|
|                         | mm <sup>2</sup>        |                     | mm                           | mm                       | mm                       | kg/100m      |
| <b>Copper Conductor</b> |                        |                     |                              |                          |                          |              |
| XSD016CLCNB             | 16                     | Stranded Cu         | 0.8                          | 1.4                      | 9.4                      | 21.5         |
| XSD025CLVNB             | 25                     | Compact Cu          | 0.9                          | 1.4                      | 10.5                     | 30.7         |
| XSD035CLVNB             | 35                     | Compact Cu          | 0.9                          | 1.4                      | 11.5                     | 40.1         |
| XSD050CLVNB             | 50                     | Compact Cu          | 1.0                          | 1.4                      | 12.9                     | 52.7         |
| XSD070CLVNB             | 70                     | Compact Cu          | 1.1                          | 1.4                      | 14.9                     | 73.5         |
| XSD095CLVNB             | 95                     | Compact Cu          | 1.1                          | 1.5                      | 16.7                     | 99.3         |
| XSD120CLVNB             | 120                    | Compact Cu          | 1.2                          | 1.5                      | 18.4                     | 123          |
| XSD150CLVNB             | 150                    | Compact Cu          | 1.4                          | 1.6                      | 20.5                     | 152          |
| XSD185CLVNB             | 185                    | Compact Cu          | 1.6                          | 1.6                      | 22.7                     | 188          |
| XSD240CLVNB             | 240                    | Compact Cu          | 1.7                          | 1.7                      | 25.3                     | 244          |
| XSD300CLVNB             | 300                    | Compact Cu          | 1.8                          | 1.8                      | 27.8                     | 303          |
| XSD400CLVNB             | 400                    | Compact Cu          | 2.0                          | 1.9                      | 31.3                     | 386          |
| XSD500CLVNB             | 500                    | Compact Cu          | 2.2                          | 2.0                      | 35.0                     | 491          |
| XSD630CLVNB             | 630                    | Compact Cu          | 2.4                          | 2.2                      | 39.2                     | 632          |



## XLPE/PVC SDI (Al)

Single core, aluminium conductors, 0.6/1kV X-90 XLPE insulated, PVC sheathed to AS/NZS 5000.1

| Product code               | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approx. mass |
|----------------------------|------------------------|---------------------|------------------------------|--------------------------|--------------------------|--------------|
|                            | mm <sup>2</sup>        |                     | mm                           | mm                       | mm                       | kg/100m      |
| <b>Aluminium Conductor</b> |                        |                     |                              |                          |                          |              |
| XSD025ALVNB                | 25                     | Compact Al          | 0.9                          | 1.4                      | 10.5                     | 14.7         |
| XSD035ALVNB                | 35                     | Compact Al          | 0.9                          | 1.4                      | 11.5                     | 18.2         |
| XSD050ALVNB                | 50                     | Compact Al          | 1.0                          | 1.4                      | 12.9                     | 23.0         |
| XSD070ALVNB                | 70                     | Compact Al          | 1.1                          | 1.4                      | 14.9                     | 30.8         |
| XSD095ALVNB                | 95                     | Compact Al          | 1.1                          | 1.5                      | 16.7                     | 40.0         |
| XSD120ALVNB                | 120                    | Compact Al          | 1.2                          | 1.5                      | 18.4                     | 48.7         |
| XSD150ALVNB                | 150                    | Compact Al          | 1.4                          | 1.6                      | 20.5                     | 59.7         |
| XSD185ALVNB                | 185                    | Compact Al          | 1.6                          | 1.6                      | 22.7                     | 73.2         |
| XSD240ALVNB                | 240                    | Compact Al          | 1.7                          | 1.7                      | 25.3                     | 92.9         |
| XSD300ALVNB                | 300                    | Compact Al          | 1.8                          | 1.8                      | 27.8                     | 113          |
| XSD400ALVNB                | 400                    | Compact Al          | 2.0                          | 1.9                      | 31.3                     | 143          |
| XSD500ALVNB                | 500                    | Compact Al          | 2.2                          | 2.0                      | 35.0                     | 181          |
| XSD630ALVNB                | 630                    | Compact Al          | 2.4                          | 2.2                      | 39.2                     | 230          |



# PVC Flat

2 core, copper conductors, 450/750V V-90 PVC insulated, PVC sheathed flat cable to AS/NZS 5000.2

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|--------------------------|--------------|
|              | mm²                    |                     | mm                           | mm                       | mm                       | kg/100m      |
| 2C           |                        |                     |                              |                          |                          |              |
| 2CS001DLVTP  | 1.0                    | Solid Cu            | 0.6                          | 0.9                      | 6.4 x 4.1                | 5.3          |
| 2CS915CLVTP  | 1.5                    | Stranded Cu         | 0.6                          | 0.9                      | 7.2 x 4.5                | 6.6          |
| 2CS925CLVTP  | 2.5                    | Stranded Cu         | 0.7                          | 1.0                      | 8.7 x 5.4                | 10.2         |
| 2CS004CLVTP  | 4                      | Stranded Cu         | 0.8                          | 1.1                      | 10.4 x 6.3               | 15.0         |
| 2CS006CLVTP  | 6                      | Stranded Cu         | 0.8                          | 1.1                      | 11.5 x 6.8               | 19.5         |
| 2CS010CLVTP  | 10                     | Stranded Cu         | 1.0                          | 1.2                      | 14.4 x 8.4               | 31.2         |
| 2CS016CLVTP  | 16                     | Stranded Cu         | 1.0                          | 1.3                      | 16.6 x 9.6               | 44.8         |



# PVC Flat

2 core & earth, copper conductors, 450/750V V-90 PVC insulated, PVC sheathed flat cable to AS/NZS 5000.2

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Earth conductor area | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|----------------------|--------------------------|--------------|
|              | mm²                    |                     | mm                           | mm                       | mm²                  | mm                       | kg/100m      |
| 2C+E         |                        |                     |                              |                          |                      |                          |              |
| 2CE001DLVTP  | 1.0                    | Solid Cu            | 0.6                          | 0.9                      | 1.12                 | 4.1x8.8                  | 7.27         |
| 2CE915CLVTP  | 1.5                    | Stranded Cu         | 0.6                          | 0.9                      | 1.5                  | 9.8x4.5                  | 9.27         |
| 2CE925CLVTP  | 2.5                    | Stranded Cu         | 0.7                          | 1.0                      | 2.5                  | 12.1 x 5.4               | 14.46        |
| 2CE004CLVTP  | 4.0                    | Stranded Cu         | 0.8                          | 1.1                      | 2.5                  | 13.8 x 6.3               | 19.36        |
| 2CE006CLVTP  | 6.0                    | Stranded Cu         | 0.8                          | 1.1                      | 2.5                  | 14.9 x 6.8               | 23.97        |
| 2CE010CLVTP  | 10.0                   | Stranded Cu         | 1.0                          | 1.2                      | 4.0                  | 18.5 x 8.4               | 38.17        |
| 2CE016CLVTP  | 16.0                   | Stranded Cu         | 1.0                          | 1.3                      | 6.0                  | 21.3 x 9.6               | 54.23        |



## PVC Circular 2 & 3 Core & Earth

2 & 3 core & earth, copper conductors, V-90 PVC insulated, PVC sheathed circular cable to AS/NZS 5000

1.5mm<sup>2</sup> to 6mm<sup>2</sup> 450/750V to AS/NZS 5000.2

10mm<sup>2</sup> to 300mm<sup>2</sup> 0.6/1kV to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Earth conductor area | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|----------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm                       | mm <sup>2</sup>      | mm                       | kg/100m      |
| <b>2C+E</b>  |                        |                     |                              |                          |                      |                          |              |
| 2CE915CLVOC  | 1.5                    | Stranded Cu         | 0.6                          | 1.2                      | 1.5                  | 8.9                      | 10.9         |
| 2CE925CLVOC  | 2.5                    | Stranded Cu         | 0.7                          | 1.2                      | 2.5                  | 10.4                     | 16.1         |
| 2CE004CLVOC  | 4                      | Stranded Cu         | 0.8                          | 1.3                      | 2.5                  | 11.7                     | 21.1         |
| 2CE006CLVOC  | 6                      | Stranded Cu         | 0.8                          | 1.3                      | 2.5                  | 12.7                     | 26.1         |
| 2CE010CLVOC  | 10                     | Stranded Cu         | 1.0                          | 1.8                      | 4                    | 16.4                     | 44.6         |
| 2CE016CLVOC  | 16                     | Stranded Cu         | 1.0                          | 1.8                      | 6                    | 18.5                     | 61.3         |
| 2CE025CLVOC  | 25                     | Compact Cu          | 1.2                          | 1.8                      | 6                    | 21.1                     | 82.8         |
| 2CE035CLVOC  | 35                     | Compact Cu          | 1.2                          | 1.8                      | 10                   | 23.2                     | 108.4        |
| 2CE050CLVOC  | 50                     | Compact Cu          | 1.4                          | 1.8                      | 16                   | 26.4                     | 144.9        |
| <b>3C+E</b>  |                        |                     |                              |                          |                      |                          |              |
| 3CE915CLVOC  | 1.5                    | Stranded Cu         | 0.6                          | 1.2                      | 1.5                  | 9.6                      | 13.3         |
| 3CE925CLVOC  | 2.5                    | Stranded Cu         | 0.7                          | 1.3                      | 2.5                  | 11.5                     | 20.4         |
| 3CE004CLVOC  | 4                      | Stranded Cu         | 0.8                          | 1.3                      | 2.5                  | 12.9                     | 27.1         |
| 3CE006CLVOC  | 6                      | Stranded Cu         | 0.8                          | 1.3                      | 2.5                  | 13.8                     | 33.9         |
| 3CE010CLVOC  | 10                     | Stranded Cu         | 1.0                          | 1.8                      | 4                    | 18.0                     | 58.0         |
| 3CE016CLVOC  | 16                     | Stranded Cu         | 1.0                          | 1.8                      | 6                    | 20.3                     | 80.5         |
| 3CE025CLVOC  | 25                     | Compact Cu          | 1.2                          | 1.8                      | 6                    | 22.6                     | 109          |
| 3CE035CLVOC  | 35                     | Compact Cu          | 1.2                          | 1.8                      | 10                   | 25.1                     | 144          |
| 3CE050CLVOC  | 50                     | Compact Cu          | 1.4                          | 1.8                      | 16                   | 28.6                     | 193          |
| 3CE070CLVOC  | 70                     | Compact Cu          | 1.4                          | 1.9                      | 25                   | 33.0                     | 269          |
| 3CE095CLVOC  | 95                     | Compact Cu          | 1.6                          | 2.1                      | 25                   | 37.1                     | 355          |
| 3CE120CLVOC  | 120                    | Compact Cu          | 1.6                          | 2.2                      | 35                   | 40.6                     | 440          |
| 3CE150CLVOC  | 150                    | Compact Cu          | 1.8                          | 2.3                      | 50                   | 45.3                     | 547          |
| 3CE185CLVOC  | 185                    | Compact Cu          | 2.0                          | 2.5                      | 70                   | 50.9                     | 691          |
| 3CE240CLVOC  | 240                    | Compact Cu          | 2.2                          | 2.7                      | 95                   | 57.3                     | 902          |
| 3CE300CLVOC  | 300                    | Compact Cu          | 2.4                          | 2.9                      | 120                  | 63.3                     | 1121         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



## PVC Circular 4 Core & Earth

4 core & earth, copper conductors, V-90 PVC insulated, PVC sheathed circular cable to AS/NZS 5000

1.5mm<sup>2</sup> to 6mm<sup>2</sup> 450/750V to AS/NZS 5000.2

10mm<sup>2</sup> to 300mm<sup>2</sup> 0.6/1kV to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Earth conductor area | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|----------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm                       | mm <sup>2</sup>      | mm                       | kg/100m      |
| <b>4C+E</b>  |                        |                     |                              |                          |                      |                          |              |
| 4CE915CLVOC  | 1.5                    | Stranded Cu         | 0.6                          | 1.2                      | 1.5                  | 10.4                     | 15.8         |
| 4CE925CLVOC  | 2.5                    | Stranded Cu         | 0.7                          | 1.3                      | 2.5                  | 12.5                     | 24.5         |
| 4CE004CLVOC  | 4                      | Stranded Cu         | 0.8                          | 1.4                      | 2.5                  | 14.3                     | 33.9         |
| 4CE006CLVOC  | 6                      | Stranded Cu         | 0.8                          | 1.4                      | 2.5                  | 15.5                     | 43.0         |
| 4CE010CLVOC  | 10                     | Stranded Cu         | 1.0                          | 1.8                      | 4                    | 19.9                     | 72           |
| 4CE016CLVOC  | 16                     | Stranded Cu         | 1.0                          | 1.8                      | 6                    | 22.4                     | 101          |
| 4CE025CLVOC  | 25                     | Compact Cu          | 1.2                          | 1.8                      | 6                    | 25.3                     | 139          |
| 4CE035CLVOC  | 35                     | Compact Cu          | 1.2                          | 1.8                      | 10                   | 28.0                     | 184          |
| 4CE050CLVOC  | 50                     | Compact Cu          | 1.4                          | 1.9                      | 16                   | 32.3                     | 248          |
| 4CE070CLVOC  | 70                     | Compact Cu          | 1.4                          | 2.1                      | 25                   | 37.4                     | 347          |
| 4CE095CLVOC  | 95                     | Compact Cu          | 1.6                          | 2.2                      | 25                   | 42.0                     | 459          |
| 4CE120CLVOC  | 120                    | Compact Cu          | 1.6                          | 2.4                      | 35                   | 46.2                     | 572          |
| 4CE150CLVOC  | 150                    | Compact Cu          | 1.8                          | 2.5                      | 50                   | 51.5                     | 708          |
| 4CE185CLVOC  | 185                    | Compact Cu          | 2.0                          | 2.7                      | 70                   | 57.7                     | 892          |
| 4CE240CLVOC  | 240                    | Compact Cu          | 2.2                          | 2.9                      | 95                   | 65.0                     | 1163         |
| 4CE300CLVOC  | 300                    | Compact Cu          | 2.4                          | 3.1                      | 120                  | 71.7                     | 1446         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



# XLPE/PVC Circular 2 & 3 Core & Earth

2 & 3 core & earth, copper conductors, 0.6/1kV X-90 XLPE insulated, PVC sheathed circular cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Earth conductor area | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|----------------------|--------------------------|--------------|
|              | mm²                    |                     | mm                           | mm                       | mm²                  | mm                       | kg/100m      |
| 2C+E         |                        |                     |                              |                          |                      |                          |              |
| 2CE016CLVOC  | 16                     | Stranded Cu         | 0.8                          | 1.8                      | 6                    | 17.7                     | 56           |
| 2CE025CLVOC  | 25                     | Compact Cu          | 0.9                          | 1.8                      | 6                    | 19.9                     | 75           |
| 2CE035CLVOC  | 35                     | Compact Cu          | 0.9                          | 1.8                      | 10                   | 21.9                     | 100          |
| 2CE050CLVOC  | 50                     | Compact Cu          | 1.0                          | 1.8                      | 16                   | 24.8                     | 133          |
| 3C+E         |                        |                     |                              |                          |                      |                          |              |
| 3CE016CLVOC  | 16                     | Stranded Cu         | 0.8                          | 1.8                      | 6                    | 19.1                     | 73           |
| 3CE025CLVOC  | 25                     | Compact Cu          | 0.9                          | 1.8                      | 6                    | 21.2                     | 99           |
| 3CE035CLVOC  | 35                     | Compact Cu          | 0.9                          | 1.8                      | 10                   | 23.6                     | 133          |
| 3CE050CLVOC  | 50                     | Compact Cu          | 1.0                          | 1.8                      | 16                   | 26.9                     | 178          |
| 3CE070CLVOC  | 70                     | Compact Cu          | 1.1                          | 1.9                      | 25                   | 31.5                     | 252          |
| 3CE095CLVOC  | 95                     | Compact Cu          | 1.1                          | 2.0                      | 25                   | 34.7                     | 329          |
| 3CE120CLVOC  | 120                    | Compact Cu          | 1.2                          | 2.1                      | 35                   | 38.6                     | 414          |
| 3CE150CLVOC  | 150                    | Compact Cu          | 1.4                          | 2.3                      | 50                   | 43.4                     | 516          |
| 3CE185CLVOC  | 185                    | Compact Cu          | 1.6                          | 2.4                      | 70                   | 48.9                     | 653          |
| 3CE240CLVOC  | 240                    | Compact Cu          | 1.7                          | 2.6                      | 95                   | 54.7                     | 851          |
| 3CE300CLVOC  | 300                    | Compact Cu          | 1.8                          | 2.8                      | 120                  | 60.4                     | 1061         |

Note:  
Earth cores below 25mm² are not compacted.



# XLPE/PVC Circular 4 Core & Earth

4 core & earth, copper conductors, 0.6/1kV X-90 XLPE insulated, PVC sheathed circular cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Nominal sheath thickness | Earth conductor area | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|--------------------------|----------------------|--------------------------|--------------|
|              | mm²                    |                     | mm                           | mm                       | mm²                  | mm                       | kg/100m      |
| 2C+E         |                        |                     |                              |                          |                      |                          |              |
| 4CE016CLVOC  | 16                     | Stranded Cu         | 0.8                          | 1.8                      | 6                    | 21.2                     | 92           |
| 4CE025CLVOC  | 25                     | Compact Cu          | 0.9                          | 1.8                      | 6                    | 23.6                     | 126          |
| 4CE035CLVOC  | 35                     | Compact Cu          | 0.9                          | 1.8                      | 10                   | 26.3                     | 170          |
| 4CE050CLVOC  | 50                     | Compact Cu          | 1.0                          | 1.9                      | 16                   | 30.3                     | 228          |
| 4CE070CLVOC  | 70                     | Compact Cu          | 1.1                          | 2.0                      | 25                   | 35.5                     | 324          |
| 4CE095CLVOC  | 95                     | Compact Cu          | 1.1                          | 2.1                      | 25                   | 39.2                     | 426          |
| 4CE120CLVOC  | 120                    | Compact Cu          | 1.2                          | 2.3                      | 35                   | 43.9                     | 538          |
| 4CE150CLVOC  | 150                    | Compact Cu          | 1.4                          | 2.4                      | 50                   | 49.1                     | 667          |
| 4CE185CLVOC  | 185                    | Compact Cu          | 1.6                          | 2.6                      | 70                   | 55.4                     | 844          |
| 4CE240CLVOC  | 240                    | Compact Cu          | 1.7                          | 2.8                      | 95                   | 62.2                     | 1123         |
| 4CE300CLVOC  | 300                    | Compact Cu          | 1.8                          | 3.0                      | 120                  | 68.4                     | 1369         |

Note:  
Earth cores below 25mm² are not compacted.



## PVC SWA Circular 2 & 3 Core & Earth

2 & 3 core & earth, copper conductors, 0.6/1kV V-90 PVC insulated, PVC bedded, steel wire armoured, PVC sheathed cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Earth conductor area | Nominal diameter over bedding | Nominal diameter over armour | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|----------------------|-------------------------------|------------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm <sup>2</sup>      | mm                            | mm                           | mm                       | kg/100m      |
| <b>2C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 2CE915CLVOS  | 1.5                    | Stranded Cu         | 0.8                          | 1.5                  | 9.1                           | 10.7                         | 14.9                     | 37.2         |
| 2CE925CLVOS  | 2.5                    | Stranded Cu         | 0.8                          | 2.5                  | 10.3                          | 11.9                         | 16.1                     | 44.5         |
| 2CE004CLVOS  | 4                      | Stranded Cu         | 1.0                          | 2.5                  | 11.8                          | 13.4                         | 17.6                     | 53.5         |
| 2CE006CLVOS  | 6                      | Stranded Cu         | 1.0                          | 2.5                  | 12.9                          | 14.5                         | 18.7                     | 61.2         |
| 2CE010CLVOS  | 10                     | Stranded Cu         | 1.0                          | 4                    | 14.8                          | 17.3                         | 21.5                     | 93.4         |
| 2CE016CLVOS  | 16                     | Stranded Cu         | 1.0                          | 6                    | 16.9                          | 19.4                         | 23.6                     | 115          |
| 2CE025CLVOS  | 25                     | Compact Cu          | 1.2                          | 6                    | 19.5                          | 22.7                         | 27.0                     | 159          |
| 2CE035CLVOS  | 35                     | Compact Cu          | 1.2                          | 10                   | 21.6                          | 24.8                         | 29.1                     | 192          |
| 2CE050CLVOS  | 50                     | Compact Cu          | 1.4                          | 16                   | 24.8                          | 28.0                         | 32.6                     | 241          |
| <b>3C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 3CE915CLVOS  | 1.5                    | Stranded Cu         | 0.8                          | 1.5                  | 9.9                           | 11.5                         | 15.7                     | 41.9         |
| 3CE925CLVOS  | 2.5                    | Stranded Cu         | 0.8                          | 2.5                  | 11.3                          | 12.9                         | 17.1                     | 50.8         |
| 3CE004CLVOS  | 4                      | Stranded Cu         | 1.0                          | 2.5                  | 13.0                          | 15.5                         | 19.7                     | 76.3         |
| 3CE006CLVOS  | 6                      | Stranded Cu         | 1.0                          | 2.5                  | 14.0                          | 16.5                         | 20.7                     | 86           |
| 3CE010CLVOS  | 10                     | Stranded Cu         | 1.0                          | 4                    | 16.4                          | 18.9                         | 23.1                     | 112          |
| 3CE016CLVOS  | 16                     | Stranded Cu         | 1.0                          | 6                    | 18.7                          | 21.9                         | 26.0                     | 153          |
| 3CE025CLVOS  | 25                     | Compact Cu          | 1.2                          | 6                    | 21.0                          | 24.2                         | 28.6                     | 192          |
| 3CE035CLVOS  | 35                     | Compact Cu          | 1.2                          | 10                   | 23.5                          | 26.7                         | 31.2                     | 236          |
| 3CE050CLVOS  | 50                     | Compact Cu          | 1.4                          | 16                   | 27.4                          | 30.6                         | 35.4                     | 304          |
| 3CE070CLVOS  | 70                     | Compact Cu          | 1.4                          | 25                   | 31.5                          | 35.5                         | 40.7                     | 423          |
| 3CE095CLVOS  | 95                     | Compact Cu          | 1.6                          | 25                   | 35.3                          | 39.3                         | 44.6                     | 529          |
| 3CE120CLVOS  | 120                    | Compact Cu          | 1.6                          | 35                   | 38.9                          | 42.9                         | 48.5                     | 636          |
| 3CE150CLVOS  | 150                    | Compact Cu          | 1.8                          | 50                   | 43.6                          | 48.6                         | 54.6                     | 816          |
| 3CE185CLVOS  | 185                    | Compact Cu          | 2.0                          | 70                   | 48.9                          | 53.9                         | 60.4                     | 991          |
| 3CE240CLVOS  | 240                    | Compact Cu          | 2.2                          | 95                   | 55.2                          | 60.2                         | 67.1                     | 1241         |
| 3CE300CLVOS  | 300                    | Compact Cu          | 2.4                          | 120                  | 61.0                          | 66.0                         | 73.2                     | 1498         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



## PVC SWA Circular 4 Core & Earth

4 core & earth, copper conductors, 0.6/1kV V-90 PVC insulated, PVC bedded, steel wire armoured, PVC sheathed cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Earth conductor area | Nominal diameter over bedding | Nominal diameter over armour | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|----------------------|-------------------------------|------------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm <sup>2</sup>      | mm                            | mm                           | mm                       | kg/100m      |
| <b>4C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 4CE915CLVOS  | 1.5                    | Stranded Cu         | 0.8                          | 1.5                  | 10.9                          | 12.5                         | 16.7                     | 48           |
| 4CE925CLVOS  | 2.5                    | Stranded Cu         | 0.8                          | 2.5                  | 12.3                          | 13.9                         | 18.1                     | 59           |
| 4CE004CLVOS  | 4                      | Stranded Cu         | 1.0                          | 2.5                  | 14.4                          | 16.9                         | 21.1                     | 89           |
| 4CE006CLVOS  | 6                      | Stranded Cu         | 1.0                          | 2.5                  | 15.6                          | 18.1                         | 22.3                     | 102          |
| 4CE010CLVOS  | 10                     | Stranded Cu         | 1.0                          | 4                    | 18.3                          | 21.5                         | 25.7                     | 148          |
| 4CE016CLVOS  | 16                     | Stranded Cu         | 1.0                          | 6                    | 20.8                          | 24.0                         | 28.2                     | 187          |
| 4CE025CLVOS  | 25                     | Compact Cu          | 1.2                          | 6                    | 23.7                          | 26.9                         | 31.1                     | 235          |
| 4CE035CLVOS  | 35                     | Compact Cu          | 1.2                          | 10                   | 26.4                          | 29.6                         | 34.0                     | 291          |
| 4CE050CLVOS  | 50                     | Compact Cu          | 1.4                          | 16                   | 30.9                          | 34.9                         | 39.7                     | 405          |
| 4CE070CLVOS  | 70                     | Compact Cu          | 1.4                          | 25                   | 35.6                          | 39.6                         | 44.6                     | 523          |
| 4CE095CLVOS  | 95                     | Compact Cu          | 1.6                          | 25                   | 40.0                          | 45.0                         | 50.4                     | 700          |
| 4CE120CLVOS  | 120                    | Compact Cu          | 1.6                          | 35                   | 44.2                          | 49.2                         | 55.0                     | 841          |
| 4CE150CLVOS  | 150                    | Compact Cu          | 1.8                          | 50                   | 49.3                          | 54.3                         | 60.3                     | 1006         |
| 4CE185CLVOS  | 185                    | Compact Cu          | 2.0                          | 70                   | 55.5                          | 60.5                         | 66.9                     | 1233         |
| 4CE240CLVOS  | 240                    | Compact Cu          | 2.2                          | 95                   | 62.4                          | 67.4                         | 74.2                     | 1543         |
| 4CE300CLVOS  | 300                    | Compact Cu          | 2.4                          | 120                  | 69.5                          | 75.8                         | 83.2                     | 1977         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



## XLPE/PVC SWA Circular 2 & 3 Core & Earth

2 & 3 core & earth, copper conductors, 0.6/1kV X-90 XLPE insulated, PVC bedded, steel wire armoured, PVC sheathed cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Earth conductor area | Nominal diameter over bedding | Nominal diameter over armour | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|----------------------|-------------------------------|------------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm <sup>2</sup>      | mm                            | mm                           | mm                       | kg/100m      |
| <b>2C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 2CE016CLVXS  | 16                     | Stranded Cu         | 0.8                          | 6                    | 16.1                          | 18.6                         | 22.8                     | 108          |
| 2CE025CLVXS  | 25                     | Compact Cu          | 0.9                          | 6                    | 18.3                          | 20.8                         | 25.0                     | 134          |
| 2CE035CLVXS  | 35                     | Compact Cu          | 0.9                          | 10                   | 20.3                          | 23.5                         | 27.7                     | 182          |
| 2CE050CLVXS  | 50                     | Compact Cu          | 1.0                          | 16                   | 23.2                          | 26.4                         | 30.6                     | 225          |
| 2CE070CLVXS  | 70                     | Compact Cu          | 1.1                          | 25                   | 27.3                          | 30.5                         | 34.9                     | 293          |
| 2CE095CLVXS  | 95                     | Compact Cu          | 1.1                          | 25                   | 30.5                          | 34.5                         | 39.1                     | 389          |
| 2CE120CLVXS  | 120                    | Compact Cu          | 1.2                          | 35                   | 34.4                          | 38.4                         | 43.2                     | 473          |
| <b>3C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 3CE016CLVXS  | 16                     | Stranded Cu         | 0.8                          | 6                    | 17.5                          | 20.0                         | 24.2                     | 130          |
| 3CE025CLVXS  | 25                     | Compact Cu          | 0.9                          | 6                    | 19.6                          | 22.8                         | 27.0                     | 177          |
| 3CE035CLVXS  | 35                     | Compact Cu          | 0.9                          | 10                   | 22.0                          | 25.2                         | 29.4                     | 220          |
| 3CE050CLVXS  | 50                     | Compact Cu          | 1.0                          | 16                   | 25.3                          | 28.5                         | 32.9                     | 278          |
| 3CE070CLVXS  | 70                     | Compact Cu          | 1.1                          | 25                   | 30.1                          | 34.1                         | 38.9                     | 402          |
| 3CE095CLVXS  | 95                     | Compact Cu          | 1.1                          | 25                   | 33.1                          | 37.1                         | 42.1                     | 492          |
| 3CE120CLVXS  | 120                    | Compact Cu          | 1.2                          | 35                   | 36.8                          | 40.8                         | 46.0                     | 595          |
| 3CE150CLVXS  | 150                    | Compact Cu          | 1.4                          | 50                   | 41.6                          | 46.6                         | 52.2                     | 766          |
| 3CE185CLVXS  | 185                    | Compact Cu          | 1.6                          | 70                   | 46.9                          | 51.9                         | 57.7                     | 931          |
| 3CE240CLVXS  | 240                    | Compact Cu          | 1.7                          | 95                   | 52.9                          | 57.9                         | 64.1                     | 1190         |
| 3CE300CLVXS  | 300                    | Compact Cu          | 1.8                          | 120                  | 58.0                          | 63.0                         | 69.6                     | 1411         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



## XLPE/PVC SWA Circular 4 Core & Earth

4 core & earth, copper conductors, 0.6/1kV X-90 XLPE insulated, PVC bedded, steel wire armoured, PVC sheathed cable to AS/NZS 5000.1

| Product code | Nominal conductor area | Main conductor type | Nominal insulation thickness | Earth conductor area | Nominal diameter over bedding | Nominal diameter over armour | Nominal overall diameter | Approx. mass |
|--------------|------------------------|---------------------|------------------------------|----------------------|-------------------------------|------------------------------|--------------------------|--------------|
|              | mm <sup>2</sup>        |                     | mm                           | mm <sup>2</sup>      | mm                            | mm                           | mm                       | kg/100m      |
| <b>4C+E</b>  |                        |                     |                              |                      |                               |                              |                          |              |
| 4CE016CLVXS  | 16                     | Stranded Cu         | 0.8                          | 6                    | 19.6                          | 22.8                         | 27.0                     | 169          |
| 4CE025CLVXS  | 25                     | Compact Cu          | 0.9                          | 6                    | 22.0                          | 25.2                         | 29.4                     | 214          |
| 4CE035CLVXS  | 35                     | Compact Cu          | 0.9                          | 10                   | 24.7                          | 27.9                         | 32.3                     | 268          |
| 4CE050CLVXS  | 50                     | Compact Cu          | 1.0                          | 16                   | 28.5                          | 32.5                         | 37.1                     | 365          |
| 4CE070CLVXS  | 70                     | Compact Cu          | 1.1                          | 25                   | 33.9                          | 37.9                         | 42.9                     | 489          |
| 4CE095CLVXS  | 95                     | Compact Cu          | 1.1                          | 25                   | 37.4                          | 41.4                         | 46.6                     | 607          |
| 4CE120CLVXS  | 120                    | Compact Cu          | 1.2                          | 35                   | 42.1                          | 47.1                         | 52.7                     | 792          |
| 4CE150CLVXS  | 150                    | Compact Cu          | 1.4                          | 50                   | 47.1                          | 52.1                         | 58.1                     | 952          |
| 4CE185CLVXS  | 185                    | Compact Cu          | 1.6                          | 70                   | 53.4                          | 58.4                         | 64.6                     | 1165         |
| 4CE240CLVXS  | 240                    | Compact Cu          | 1.7                          | 95                   | 59.8                          | 64.8                         | 71.4                     | 1482         |
| 4CE300CLVXS  | 300                    | Compact Cu          | 1.8                          | 120                  | 65.6                          | 70.6                         | 77.6                     | 1762         |

Note:

Earth cores below 25mm<sup>2</sup> are not compacted.



## PVC Control

Multicore & earth, copper conductors, 0.6/1kV V-90 PVC insulated, PVC sheathed to AS/NZS 5000.1

| Product code                        | Number of cores | Nominal overall diameter | Approx. mass |
|-------------------------------------|-----------------|--------------------------|--------------|
|                                     |                 | mm                       | kg/100m      |
| <b>1.5mm<sup>2</sup> (7/0.50mm)</b> |                 |                          |              |
| 5CE915CLVCC                         | 5+E             | 13.4                     | 23.1         |
| 6CE915CLVCC                         | 6+E             | 13.4                     | 24.5         |
| 8CE915CLVCC                         | 8+E             | 15.9                     | 30.9         |
| 10E915CLVCC                         | 10+E            | 16.5                     | 35.8         |
| 12E915CLVCC                         | 12+E            | 17.8                     | 41.3         |
| 15E915CLVCC                         | 15+E            | 18.7                     | 48.7         |
| 16E915CLVCC                         | 16+E            | 19.6                     | 51.9         |
| 20E915CLVCC                         | 20+E            | 20.6                     | 60.7         |
| 25E915CLVCC                         | 25+E            | 22.7                     | 73.3         |
| 30E915CLVCC                         | 30+E            | 24.8                     | 86.3         |
| 36E915CLVCC                         | 36+E            | 25.7                     | 99.6         |
| 40E915CLVCC                         | 40+E            | 27.8                     | 110.3        |
| 50E915CLVCC                         | 50+E            | 30.3                     | 135.2        |
| <b>2.5mm<sup>2</sup> (7/0.67mm)</b> |                 |                          |              |
| 5CE925CLVCC                         | 5+E             | 14.9                     | 31.6         |
| 6CE925CLVCC                         | 6+E             | 14.9                     | 34.0         |
| 8CE925CLVCC                         | 8+E             | 17.7                     | 43.0         |
| 10E925CLVCC                         | 10+E            | 18.5                     | 50.4         |
| 12E925CLVCC                         | 12+E            | 19.9                     | 58.4         |
| 15E925CLVCC                         | 15+E            | 21.0                     | 69.5         |
| 16E925CLVCC                         | 16+E            | 22.0                     | 74.2         |
| 20E925CLVCC                         | 20+E            | 23.2                     | 87.5         |
| 25E925CLVCC                         | 25+E            | 25.6                     | 106.3        |
| 30E925CLVCC                         | 30+E            | 28.1                     | 125.5        |
| 36E925CLVCC                         | 36+E            | 29.2                     | 145.9        |
| 40E925CLVCC                         | 40+E            | 31.7                     | 163.1        |
| 50E925CLVCC                         | 50+E            | 34.6                     | 200.4        |



## PVC SWA Control

Multicore & earth, copper conductors, 0.6/1kV V-90 PVC insulated, PVC bedded, steel wire armoured, PVC sheathed to AS/NZS 5000.1

| Product code                        | Number of cores | Nominal diameter over bedding | Nominal diameter over armour | Nominal overall diameter | Approx. mass |
|-------------------------------------|-----------------|-------------------------------|------------------------------|--------------------------|--------------|
|                                     |                 | mm                            | mm                           | mm                       | kg/100m      |
| <b>1.5mm<sup>2</sup> (7/0.50mm)</b> |                 |                               |                              |                          |              |
| 5CE915CLVCS                         | 5+E             | 11.8                          | 13.4                         | 17.6                     | 51.2         |
| 6CE915CLVCS                         | 6+E             | 11.8                          | 13.4                         | 17.6                     | 52.6         |
| 8CE915CLVCS                         | 8+E             | 14.3                          | 16.8                         | 21.0                     | 78.9         |
| 10E915CLVCS                         | 10+E            | 14.9                          | 17.4                         | 21.6                     | 85.0         |
| 12E915CLVCS                         | 12+E            | 16.2                          | 18.7                         | 22.9                     | 94.1         |
| 15E915CLVCS                         | 15+E            | 17.1                          | 19.6                         | 23.8                     | 103.9        |
| 16E915CLVCS                         | 16+E            | 18.0                          | 21.2                         | 25.4                     | 124.4        |
| 20E915CLVCS                         | 20+E            | 19.0                          | 22.2                         | 26.4                     | 136.8        |
| 25E915CLVCS                         | 25+E            | 21.1                          | 24.3                         | 28.5                     | 156.8        |
| 30E915CLVCS                         | 30+E            | 23.2                          | 26.4                         | 30.6                     | 177.3        |
| 36E915CLVCS                         | 36+E            | 24.1                          | 27.3                         | 31.7                     | 195.6        |
| 40E915CLVCS                         | 40+E            | 26.2                          | 29.4                         | 33.8                     | 212.2        |
| 50E915CLVCS                         | 50+E            | 28.9                          | 32.9                         | 37.7                     | 278.2        |
| <b>2.5mm<sup>2</sup> (7/0.67mm)</b> |                 |                               |                              |                          |              |
| 5CE925CLVCS                         | 5+E             | 13.3                          | 15.8                         | 20.0                     | 76.2         |
| 6CE925CLVCS                         | 6+E             | 13.3                          | 15.8                         | 20.0                     | 78.5         |
| 8CE925CLVCS                         | 8+E             | 16.1                          | 18.6                         | 22.8                     | 96.0         |
| 10E925CLVCS                         | 10+E            | 16.9                          | 19.4                         | 23.6                     | 105.6        |
| 12E925CLVCS                         | 12+E            | 18.3                          | 21.5                         | 25.7                     | 132.7        |
| 15E925CLVCS                         | 15+E            | 19.4                          | 22.6                         | 26.8                     | 147.5        |
| 16E925CLVCS                         | 16+E            | 20.4                          | 23.6                         | 27.8                     | 156.0        |
| 20E925CLVCS                         | 20+E            | 21.6                          | 24.8                         | 29.0                     | 173.0        |
| 25E925CLVCS                         | 25+E            | 24.0                          | 27.2                         | 31.6                     | 200.8        |
| 30E925CLVCS                         | 30+E            | 26.5                          | 29.7                         | 34.1                     | 229.4        |
| 36E925CLVCS                         | 36+E            | 27.6                          | 30.8                         | 35.4                     | 254.9        |
| 40E925CLVCS                         | 40+E            | 30.3                          | 34.3                         | 39.1                     | 312.4        |
| 50E925CLVCS                         | 50+E            | 33.0                          | 37.0                         | 42.0                     | 361.6        |



## PVC Flexible Cords Ordinary Duty

250/440V V-90 insulated and sheathed ordinary duty flexible cord to AS/NZS 3191 and AS/NZS 60227.

| Product code               | Nominal conductor area | Maximum diameter of wires | Nominal overall diameter | Approx. mass |
|----------------------------|------------------------|---------------------------|--------------------------|--------------|
|                            | mm <sup>2</sup>        | mm                        | mm                       | kg/100m      |
| <b>2 core</b>              |                        |                           |                          |              |
| 2CF975FODPV                | 0.75                   | 0.21                      | 6.3                      | 6            |
| 2CF001FODPV                | 1.0                    | 0.21                      | 6.6                      | 6            |
| 2CF915FODPV                | 1.5                    | 0.26                      | 7.5                      | 9            |
| 2CF925FODPV                | 2.5                    | 0.26                      | 9.3                      | 14           |
| 2CF004FODPV                | 4                      | 0.31                      | 10.4                     | 18           |
| <b>3 core ( 2C&amp;E )</b> |                        |                           |                          |              |
| 3CF975FODPV                | 0.75                   | 0.21                      | 6.6                      | 7            |
| 3CF001FODPV                | 1.0                    | 0.21                      | 7.0                      | 8            |
| 3CF915FODPV                | 1.5                    | 0.26                      | 8.2                      | 11           |
| 3CF925FODPV                | 2.5                    | 0.26                      | 10.1                     | 17           |
| 3CF004FODPV                | 4                      | 0.31                      | 11.2                     | 23           |
| <b>4 core ( 3C&amp;E )</b> |                        |                           |                          |              |
| 4CF975FODPV                | 0.75                   | 0.21                      | 7.2                      | 8            |
| 4CF001FODPV                | 1.0                    | 0.21                      | 7.9                      | 10           |
| 4CF915FODPV                | 1.5                    | 0.26                      | 9.2                      | 14           |
| 4CF925FODPV                | 2.5                    | 0.26                      | 11.0                     | 21           |
| 4CF004FODPV                | 4                      | 0.31                      | 12.3                     | 29           |

Note:

For core colour, flexible cords refer to as below:

2 Core: Brown, Light Blue

3 Core: Brown, Light Blue, Green/Yellow

4 Core: Brown, Light Blue, White, Green/Yellow

Sheath colour: Grey

Light Blue is normally used as a neutral (where applicable).



## PVC Flexible Cords Heavy Duty

0.6/1kV V-90 insulated and PVC sheathed heavy duty flexible cord to AS/NZS 3191.

| Product code               | Nominal conductor area | Maximum diameter of wires | Nominal overall diameter | Approx. mass |
|----------------------------|------------------------|---------------------------|--------------------------|--------------|
|                            | mm <sup>2</sup>        | mm                        | mm                       | kg/100m      |
| <b>2 core</b>              |                        |                           |                          |              |
| 2CF975FHDPV                | 0.75                   | 0.21                      | 8.1                      | 8            |
| 2CF001FHDPV                | 1.0                    | 0.21                      | 8.4                      | 10           |
| 2CF915FHDPV                | 1.5                    | 0.26                      | 9.3                      | 12           |
| 2CF925FHDPV                | 2.5                    | 0.26                      | 11.1                     | 18           |
| 2CF004FHDPV                | 4                      | 0.31                      | 12.8                     | 25           |
| <b>3 core ( 2C&amp;E )</b> |                        |                           |                          |              |
| 3CF975FHDPV                | 0.75                   | 0.21                      | 8.7                      | 10           |
| 3CF001FHDPV                | 1.0                    | 0.21                      | 9.1                      | 12           |
| 3CF915FHDPV                | 1.5                    | 0.26                      | 10.1                     | 15           |
| 3CF925FHDPV                | 2.5                    | 0.26                      | 11.9                     | 22           |
| 3CF004FHDPV                | 4                      | 0.31                      | 13.7                     | 30           |
| <b>4 core ( 3C&amp;E )</b> |                        |                           |                          |              |
| 4CF975FHDPV                | 0.75                   | 0.21                      | 9.6                      | 12           |
| 4CF001FHDPV                | 1.0                    | 0.21                      | 10.0                     | 14           |
| 4CF915FHDPV                | 1.5                    | 0.26                      | 11.1                     | 18           |
| 4CF925FHDPV                | 2.5                    | 0.26                      | 13.1                     | 26           |
| 4CF004FHDPV                | 4                      | 0.31                      | 15.1                     | 37           |

Note:

For core colour, flexible cords refer to as below:

2 Core: Brown, Light Blue

3 Core: Brown, Light Blue, Green/Yellow

4 Core: Brown, Light Blue, White, Green/Yellow

Sheath colour: Grey

Light Blue is normally used as a neutral (where applicable).



## Current Ratings 2 Single Core (Cu) PVC

2 single core copper conductor, 450/750V and 0.6/1kV V-90 PVC insulated, PVC sheathed cables Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation                                        | Completely Surrounded by Thermal Insulation                                       | Buried Direct                                                                     | Underground Ducts                                                                 |                                                                                   | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                            | Spaced from Surface                                                               | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                |
|                                        |  |  |  |  |  |  |  |  |  |  |                                                |
| 1.0                                    | 16                                                                                | 16                                                                                | 13                                                                                | 8                                                                                 | 13                                                                                | 11                                                                                | 6                                                                                 | 18                                                                                | 18                                                                                | 21                                                                                | 44.7                                           |
| 1.5                                    | 21                                                                                | 21                                                                                | 16                                                                                | 10                                                                                | 18                                                                                | 14                                                                                | 8                                                                                 | 23                                                                                | 23                                                                                | 26                                                                                | 28.6                                           |
| 2.5                                    | 30                                                                                | 29                                                                                | 23                                                                                | 13                                                                                | 24                                                                                | 20                                                                                | 12                                                                                | 32                                                                                | 32                                                                                | 36                                                                                | 15.6                                           |
| 4                                      | 40                                                                                | 39                                                                                | 31                                                                                | 18                                                                                | 32                                                                                | 25                                                                                | 16                                                                                | 41                                                                                | 42                                                                                | 47                                                                                | 9.71                                           |
| 6                                      | 51                                                                                | 49                                                                                | 40                                                                                | 22                                                                                | 41                                                                                | 33                                                                                | 20                                                                                | 52                                                                                | 52                                                                                | 58                                                                                | 6.49                                           |
| 10                                     | 69                                                                                | 67                                                                                | 54                                                                                | 30                                                                                | 54                                                                                | 44                                                                                | 27                                                                                | 69                                                                                | 69                                                                                | 77                                                                                | 3.86                                           |
| 16                                     | 92                                                                                | 89                                                                                | 72                                                                                | 39                                                                                | 70                                                                                | 56                                                                                | 36                                                                                | 122                                                                               | 89                                                                                | 99                                                                                | 2.43                                           |
| 25                                     | 124                                                                               | 119                                                                               | 97                                                                                | 50                                                                                | 94                                                                                | 75                                                                                | 48                                                                                | 158                                                                               | 116                                                                               | 129                                                                               | 1.55                                           |
| 35                                     | 153                                                                               | 145                                                                               | 119                                                                               | 61                                                                                | 112                                                                               | 90                                                                                | 59                                                                                | 190                                                                               | 139                                                                               | 155                                                                               | 1.12                                           |
| 50                                     | 187                                                                               | 177                                                                               | 146                                                                               | 72                                                                                | 138                                                                               | 110                                                                               | -                                                                                 | 225                                                                               | 168                                                                               | 186                                                                               | 0.840                                          |
| 70                                     | 238                                                                               | 223                                                                               | 184                                                                               | 89                                                                                | 170                                                                               | 136                                                                               | -                                                                                 | 277                                                                               | 206                                                                               | 228                                                                               | 0.597                                          |
| 95                                     | 295                                                                               | 276                                                                               | 230                                                                               | 107                                                                               | 212                                                                               | 168                                                                               | -                                                                                 | 332                                                                               | 252                                                                               | 278                                                                               | 0.449                                          |
| 120                                    | 344                                                                               | 321                                                                               | 267                                                                               | 122                                                                               | 242                                                                               | 193                                                                               | -                                                                                 | 378                                                                               | 287                                                                               | 316                                                                               | 0.371                                          |
| 150                                    | 395                                                                               | 367                                                                               | 308                                                                               | 137                                                                               | 282                                                                               | 225                                                                               | -                                                                                 | 424                                                                               | 329                                                                               | 354                                                                               | 0.319                                          |
| 185                                    | 459                                                                               | 424                                                                               | 358                                                                               | 154                                                                               | 320                                                                               | 256                                                                               | -                                                                                 | 480                                                                               | 373                                                                               | 408                                                                               | 0.277                                          |
| 240                                    | 549                                                                               | 505                                                                               | 428                                                                               | 177                                                                               | 381                                                                               | 305                                                                               | -                                                                                 | 556                                                                               | 438                                                                               | 472                                                                               | 0.240                                          |
| 300                                    | 636                                                                               | 582                                                                               | 495                                                                               | 198                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 628                                                                               | 496                                                                               | 546                                                                               | 0.219                                          |
| 400                                    | 744                                                                               | 676                                                                               | 577                                                                               | 221                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 713                                                                               | 575                                                                               | 621                                                                               | 0.202                                          |
| 500                                    | 867                                                                               | 780                                                                               | 668                                                                               | 245                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 805                                                                               | 649                                                                               | 721                                                                               | 0.191                                          |
| 630                                    | 1014                                                                              | 897                                                                               | 770                                                                               | 269                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 904                                                                               | 750                                                                               | 816                                                                               | 0.181                                          |

## Current Ratings 2 Single Core (Cu) XLPE

2 single core copper conductor, 0.6/1kV X-90 XLPE insulated, PVC sheathed cables Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                          |                                                                                     |                                                                                     |                                                                                     | Enclosed Conduit in Air                                                             | Partially Surrounded by Thermal Insulation                                          | Completely Surrounded by Thermal Insulation                                         | Buried Direct                                                                       | Underground Ducts                                                                   |                                                                                     | Single Phase Voltage Drop (@50Hz & 90°C) mV/Am |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                              | Spaced from Surface                                                                 | Touching                                                                            | Exposed to Sun                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                |
|                                        |  |  |  |  |  |  |  |  |  |  |                                                |
| 1.5                                    | 26                                                                                  | 25                                                                                  | 20                                                                                  | 15                                                                                  | 21                                                                                  | 16                                                                                  | 10                                                                                  | 26                                                                                  | 26                                                                                  | 30                                                                                  | 30.0                                           |
| 2.5                                    | 36                                                                                  | 36                                                                                  | 28                                                                                  | 21                                                                                  | 30                                                                                  | 24                                                                                  | 14                                                                                  | 36                                                                                  | 36                                                                                  | 41                                                                                  | 16.4                                           |
| 4                                      | 48                                                                                  | 47                                                                                  | 37                                                                                  | 28                                                                                  | 38                                                                                  | 30                                                                                  | 19                                                                                  | 46                                                                                  | 46                                                                                  | 53                                                                                  | 10.2                                           |
| 6                                      | 61                                                                                  | 60                                                                                  | 47                                                                                  | 36                                                                                  | 47                                                                                  | 38                                                                                  | 24                                                                                  | 58                                                                                  | 58                                                                                  | 66                                                                                  | 6.81                                           |
| 10                                     | 84                                                                                  | 82                                                                                  | 65                                                                                  | 48                                                                                  | 65                                                                                  | 52                                                                                  | 32                                                                                  | 78                                                                                  | 78                                                                                  | 87                                                                                  | 4.05                                           |
| 16                                     | 112                                                                                 | 108                                                                                 | 86                                                                                  | 54                                                                                  | 84                                                                                  | 67                                                                                  | 43                                                                                  | 139                                                                                 | 100                                                                                 | 112                                                                                 | 2.55                                           |
| 25                                     | 151                                                                                 | 145                                                                                 | 117                                                                                 | 86                                                                                  | 113                                                                                 | 90                                                                                  | 58                                                                                  | 279                                                                                 | 131                                                                                 | 146                                                                                 | 1.62                                           |
| 35                                     | 186                                                                                 | 177                                                                                 | 144                                                                                 | 105                                                                                 | 135                                                                                 | 108                                                                                 | 72                                                                                  | 215                                                                                 | 157                                                                                 | 175                                                                                 | 1.18                                           |
| 50                                     | 228                                                                                 | 216                                                                                 | 176                                                                                 | 127                                                                                 | 166                                                                                 | 133                                                                                 | -                                                                                   | 255                                                                                 | 189                                                                                 | 211                                                                                 | 0.878                                          |
| 70                                     | 291                                                                                 | 273                                                                                 | 224                                                                                 | 160                                                                                 | 204                                                                                 | 164                                                                                 | -                                                                                   | 313                                                                                 | 233                                                                                 | 258                                                                                 | 0.623                                          |
| 95                                     | 361                                                                                 | 338                                                                                 | 278                                                                                 | 197                                                                                 | 255                                                                                 | 204                                                                                 | -                                                                                   | 375                                                                                 | 285                                                                                 | 309                                                                                 | 0.467                                          |
| 120                                    | 422                                                                                 | 393                                                                                 | 325                                                                                 | 229                                                                                 | 292                                                                                 | 233                                                                                 | -                                                                                   | 427                                                                                 | 325                                                                                 | 358                                                                                 | 0.385                                          |
| 150                                    | 486                                                                                 | 451                                                                                 | 375                                                                                 | 262                                                                                 | 329                                                                                 | 263                                                                                 | -                                                                                   | 480                                                                                 | 365                                                                                 | 401                                                                                 | 0.330                                          |
| 185                                    | 565                                                                                 | 522                                                                                 | 436                                                                                 | 303                                                                                 | 387                                                                                 | 309                                                                                 | -                                                                                   | 543                                                                                 | 423                                                                                 | 463                                                                                 | 0.285                                          |
| 240                                    | 678                                                                                 | 622                                                                                 | 522                                                                                 | 359                                                                                 | 461                                                                                 | 369                                                                                 | -                                                                                   | 630                                                                                 | 497                                                                                 | 536                                                                                 | 0.245                                          |
| 300                                    | 787                                                                                 | 718                                                                                 | 605                                                                                 | 413                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 711                                                                                 | 562                                                                                 | 620                                                                                 | 0.222                                          |
| 400                                    | 923                                                                                 | 836                                                                                 | 708                                                                                 | 478                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 808                                                                                 | 653                                                                                 | 706                                                                                 | 0.205                                          |
| 500                                    | 1078                                                                                | 966                                                                                 | 821                                                                                 | 550                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 913                                                                                 | 739                                                                                 | 800                                                                                 | 0.193                                          |
| 630                                    | 1261                                                                                | 1113                                                                                | 950                                                                                 | 629                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 1026                                                                                | 856                                                                                 | 930                                                                                 | 0.182                                          |

## Current Ratings 2 Single Core (Al) XLPE

2 single core aluminium conductor, 0.6/1kV X-90 XLPE insulated, PVC sheathed cables  
Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation                                        | Completely Surrounded by Thermal Insulation                                       | Buried Direct                                                                     | Underground Ducts                                                                 |                                                                                   | Single Phase Voltage Drop (@50Hz & 90°C) mV/Am |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                            | Spaced from Surface                                                               | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                |
|                                        |  |  |  |  |  |  |  |  |  |  |                                                |
| 16                                     | 87                                                                                | 84                                                                                | 50                                                                                | 50                                                                                | 65                                                                                | 2                                                                                 | 33                                                                                | 107                                                                               | 78                                                                                | 87                                                                                | 4.25                                           |
| 25                                     | 117                                                                               | 112                                                                               | 91                                                                                | 66                                                                                | 87                                                                                | 70                                                                                | 45                                                                                | 139                                                                               | 102                                                                               | 114                                                                               | 2.67                                           |
| 35                                     | 144                                                                               | 137                                                                               | 111                                                                               | 81                                                                                | 105                                                                               | 84                                                                                | 56                                                                                | 167                                                                               | 122                                                                               | 136                                                                               | 1.94                                           |
| 50                                     | 177                                                                               | 167                                                                               | 136                                                                               | 99                                                                                | 129                                                                               | 103                                                                               | -                                                                                 | 198                                                                               | 147                                                                               | 164                                                                               | 1.44                                           |
| 70                                     | 226                                                                               | 212                                                                               | 174                                                                               | 124                                                                               | 159                                                                               | 127                                                                               | -                                                                                 | 243                                                                               | 181                                                                               | 200                                                                               | 1.00                                           |
| 95                                     | 280                                                                               | 262                                                                               | 216                                                                               | 153                                                                               | 198                                                                               | 158                                                                               | -                                                                                 | 291                                                                               | 221                                                                               | 239                                                                               | 0.733                                          |
| 120                                    | 328                                                                               | 305                                                                               | 253                                                                               | 178                                                                               | 226                                                                               | 181                                                                               | -                                                                                 | 332                                                                               | 252                                                                               | 278                                                                               | 0.589                                          |
| 150                                    | 377                                                                               | 350                                                                               | 291                                                                               | 204                                                                               | 255                                                                               | 204                                                                               | -                                                                                 | 372                                                                               | 283                                                                               | 311                                                                               | 0.491                                          |
| 185                                    | 439                                                                               | 406                                                                               | 340                                                                               | 236                                                                               | 301                                                                               | 241                                                                               | -                                                                                 | 423                                                                               | 329                                                                               | 359                                                                               | 0.404                                          |
| 240                                    | 527                                                                               | 485                                                                               | 408                                                                               | 280                                                                               | 360                                                                               | 288                                                                               | -                                                                                 | 492                                                                               | 388                                                                               | 417                                                                               | 0.327                                          |
| 300                                    | 612                                                                               | 562                                                                               | 473                                                                               | 323                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 556                                                                               | 440                                                                               | 482                                                                               | 0.281                                          |
| 400                                    | 723                                                                               | 660                                                                               | 559                                                                               | 377                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 638                                                                               | 516                                                                               | 553                                                                               | 0.243                                          |
| 500                                    | 850                                                                               | 772                                                                               | 656                                                                               | 439                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 729                                                                               | 590                                                                               | 632                                                                               | 0.216                                          |
| 630                                    | 1003                                                                              | 904                                                                               | 772                                                                               | 511                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 833                                                                               | 695                                                                               | 740                                                                               | 0.189                                          |

## Current Ratings 3 Single Core (Cu) PVC

3 single core copper conductor, 450/750V and 0.6/1kV V-90 PVC insulated, PVC sheathed cables  
Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                          |                                                                                     |                                                                                     |                                                                                     | Enclosed Conduit in Air                                                             | Partially Surrounded by Thermal Insulation                                          | Completely Surrounded by Thermal Insulation                                         | Buried Direct                                                                       | Underground Ducts                                                                   |                                                                                     | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am                                      |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                        | Spaced                                                                              | Spaced from Surface                                                                 | Touching                                                                            | Exposed to Sun                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |  |  |
|                                        |  |  |  |  |  |  |  |  |  |  |                                                                                     |                                                                                     |
| 1.0                                    | 16                                                                                  | 14                                                                                  | 13                                                                                  | 8                                                                                   | 12                                                                                  | 10                                                                                  | 6                                                                                   | 16                                                                                  | 16                                                                                  | 19                                                                                  | 44.7                                                                                | 44.7                                                                                |
| 1.5                                    | 20                                                                                  | 17                                                                                  | 16                                                                                  | 10                                                                                  | 15                                                                                  | 12                                                                                  | 8                                                                                   | 20                                                                                  | 20                                                                                  | 24                                                                                  | 28.6                                                                                | 28.6                                                                                |
| 2.5                                    | 29                                                                                  | 25                                                                                  | 23                                                                                  | 13                                                                                  | 21                                                                                  | 17                                                                                  | 12                                                                                  | 27                                                                                  | 27                                                                                  | 33                                                                                  | 15.6                                                                                | 15.6                                                                                |
| 4                                      | 38                                                                                  | 33                                                                                  | 31                                                                                  | 18                                                                                  | 28                                                                                  | 23                                                                                  | 16                                                                                  | 36                                                                                  | 36                                                                                  | 43                                                                                  | 9.71                                                                                | 9.71                                                                                |
| 6                                      | 49                                                                                  | 42                                                                                  | 40                                                                                  | 22                                                                                  | 35                                                                                  | 28                                                                                  | 20                                                                                  | 45                                                                                  | 45                                                                                  | 53                                                                                  | 6.49                                                                                | 6.49                                                                                |
| 10                                     | 67                                                                                  | 58                                                                                  | 54                                                                                  | 30                                                                                  | 47                                                                                  | 37                                                                                  | 27                                                                                  | 59                                                                                  | 59                                                                                  | 70                                                                                  | 3.86                                                                                | 3.86                                                                                |
| 16                                     | 89                                                                                  | 77                                                                                  | 72                                                                                  | 39                                                                                  | 62                                                                                  | 50                                                                                  | 36                                                                                  | 104                                                                                 | 78                                                                                  | 90                                                                                  | 2.43                                                                                | 2.43                                                                                |
| 25                                     | 120                                                                                 | 103                                                                                 | 97                                                                                  | 50                                                                                  | 81                                                                                  | 64                                                                                  | 48                                                                                  | 134                                                                                 | 100                                                                                 | 117                                                                                 | 1.54                                                                                | 1.55                                                                                |
| 35                                     | 148                                                                                 | 127                                                                                 | 119                                                                                 | 61                                                                                  | 100                                                                                 | 80                                                                                  | 59                                                                                  | 160                                                                                 | 122                                                                                 | 140                                                                                 | 1.12                                                                                | 1.12                                                                                |
| 50                                     | 181                                                                                 | 156                                                                                 | 146                                                                                 | 72                                                                                  | 119                                                                                 | 95                                                                                  | -                                                                                   | 190                                                                                 | 144                                                                                 | 168                                                                                 | 0.834                                                                               | 0.840                                                                               |
| 70                                     | 230                                                                                 | 197                                                                                 | 184                                                                                 | 89                                                                                  | 152                                                                                 | 122                                                                                 | -                                                                                   | 233                                                                                 | 180                                                                                 | 205                                                                                 | 0.589                                                                               | 0.597                                                                               |
| 95                                     | 287                                                                                 | 246                                                                                 | 230                                                                                 | 107                                                                                 | 183                                                                                 | 147                                                                                 | -                                                                                   | 279                                                                                 | 217                                                                                 | 250                                                                                 | 0.439                                                                               | 0.449                                                                               |
| 120                                    | 335                                                                                 | 287                                                                                 | 267                                                                                 | 122                                                                                 | 217                                                                                 | 173                                                                                 | -                                                                                   | 317                                                                                 | 252                                                                                 | 283                                                                                 | 0.359                                                                               | 0.371                                                                               |
| 150                                    | 385                                                                                 | 330                                                                                 | 308                                                                                 | 137                                                                                 | 244                                                                                 | 195                                                                                 | -                                                                                   | 356                                                                                 | 283                                                                                 | 317                                                                                 | 0.303                                                                               | 0.319                                                                               |
| 185                                    | 447                                                                                 | 383                                                                                 | 357                                                                                 | 154                                                                                 | 284                                                                                 | 227                                                                                 | -                                                                                   | 402                                                                                 | 325                                                                                 | 365                                                                                 | 0.261                                                                               | 0.277                                                                               |

## Current Ratings 3 Single Core (Cu) XLPE

3 single core copper conductor, 0.6/1kV X-90 XLPE insulated, PVC sheathed cables  
Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation                                        | Completely Surrounded by Thermal Insulation                                       | Buried Direct                                                                     | Underground Ducts                                                                 |                                                                                   |                                                                                    | Single Phase Voltage Drop                                                         |                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                        | Spaced                                                                            | Spaced from Surface                                                               | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    | (@50Hz & 90°C) mV/Am                                                              |                                                                                    |
|                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1.5                                    | 25                                                                                | 21                                                                                | 20                                                                                | 15                                                                                | 18                                                                                | 15                                                                                | 10                                                                                | 22                                                                                | 22                                                                                | 27                                                                                | 30.0                                                                               | 30.0                                                                              |                                                                                    |
| 2.5                                    | 35                                                                                | 30                                                                                | 28                                                                                | 21                                                                                | 25                                                                                | 20                                                                                | 14                                                                                | 31                                                                                | 31                                                                                | 38                                                                                | 16.4                                                                               | 16.4                                                                              |                                                                                    |
| 4                                      | 46                                                                                | 40                                                                                | 37                                                                                | 28                                                                                | 33                                                                                | 26                                                                                | 19                                                                                | 40                                                                                | 40                                                                                | 49                                                                                | 10.2                                                                               | 10.2                                                                              |                                                                                    |
| 6                                      | 59                                                                                | 50                                                                                | 47                                                                                | 36                                                                                | 42                                                                                | 34                                                                                | 24                                                                                | 50                                                                                | 50                                                                                | 60                                                                                | 6.81                                                                               | 6.81                                                                              |                                                                                    |
| 10                                     | 81                                                                                | 69                                                                                | 65                                                                                | 48                                                                                | 56                                                                                | 45                                                                                | 32                                                                                | 67                                                                                | 67                                                                                | 79                                                                                | 4.05                                                                               | 4.05                                                                              |                                                                                    |
| 16                                     | 108                                                                               | 92                                                                                | 86                                                                                | 64                                                                                | 72                                                                                | 58                                                                                | 43                                                                                | 117                                                                               | 86                                                                                | 101                                                                               | 2.55                                                                               | 2.55                                                                              |                                                                                    |
| 25                                     | 146                                                                               | 125                                                                               | 117                                                                               | 86                                                                                | 97                                                                                | 77                                                                                | 58                                                                                | 151                                                                               | 113                                                                               | 132                                                                               | 1.62                                                                               | 1.62                                                                              |                                                                                    |
| 35                                     | 180                                                                               | 154                                                                               | 144                                                                               | 105                                                                               | 120                                                                               | 96                                                                                | 72                                                                                | 180                                                                               | 137                                                                               | 158                                                                               | 1.17                                                                               | 1.18                                                                              |                                                                                    |
| 50                                     | 221                                                                               | 188                                                                               | 176                                                                               | 127                                                                               | 143                                                                               | 11                                                                                | -                                                                                 | 214                                                                               | 163                                                                               | 190                                                                               | 0.872                                                                              | 0.878                                                                             |                                                                                    |
| 70                                     | 282                                                                               | 240                                                                               | 224                                                                               | 160                                                                               | 183                                                                               | 146                                                                               | -                                                                                 | 262                                                                               | 203                                                                               | 232                                                                               | 0.615                                                                              | 0.623                                                                             |                                                                                    |
| 95                                     | 350                                                                               | 298                                                                               | 278                                                                               | 197                                                                               | 220                                                                               | 176                                                                               | -                                                                                 | 313                                                                               | 244                                                                               | 276                                                                               | 0.457                                                                              | 0.467                                                                             |                                                                                    |
| 120                                    | 410                                                                               | 349                                                                               | 325                                                                               | 229                                                                               | 261                                                                               | 209                                                                               | -                                                                                 | 356                                                                               | 284                                                                               | 320                                                                               | 0.373                                                                              | 0.385                                                                             |                                                                                    |
| 150                                    | 472                                                                               | 403                                                                               | 375                                                                               | 262                                                                               | 295                                                                               | 236                                                                               | -                                                                                 | 400                                                                               | 320                                                                               | 358                                                                               | 0.316                                                                              | 0.330                                                                             |                                                                                    |
| 185                                    | 550                                                                               | 468                                                                               | 435                                                                               | 302                                                                               | 335                                                                               | 268                                                                               | -                                                                                 | 452                                                                               | 363                                                                               | 413                                                                               | 0.269                                                                              | 0.285                                                                             |                                                                                    |
| 240                                    | 660                                                                               | 560                                                                               | 521                                                                               | 358                                                                               | 399                                                                               | 320                                                                               | -                                                                                 | 523                                                                               | 426                                                                               | 477                                                                               | 0.227                                                                              | 0.245                                                                             |                                                                                    |
| 300                                    | 766                                                                               | 648                                                                               | 602                                                                               | 410                                                                               | 469                                                                               | 375                                                                               | -                                                                                 | 589                                                                               | 491                                                                               | 552                                                                               | 0.202                                                                              | 0.222                                                                             |                                                                                    |
| 400                                    | 899                                                                               | 756                                                                               | 702                                                                               | 474                                                                               | 534                                                                               | 427                                                                               | -                                                                                 | 668                                                                               | 557                                                                               | 626                                                                               | 0.183                                                                              | 0.205                                                                             |                                                                                    |
| 500                                    | 1051                                                                              | 874                                                                               | 812                                                                               | 544                                                                               | 633                                                                               | 506                                                                               | -                                                                                 | 752                                                                               | 648                                                                               | 707                                                                               | 0.170                                                                              | 0.193                                                                             |                                                                                    |
| 630                                    | 1230                                                                              | 1010                                                                              | 938                                                                               | 621                                                                               | 714                                                                               | 571                                                                               | -                                                                                 | 843                                                                               | 727                                                                               | 820                                                                               | 0.159                                                                              | 0.182                                                                             |                                                                                    |

## Current Ratings 3 Single Core (Al) XLPE

3 single core aluminium conductor, 0.6/1kV X-90 XLPE insulated, PVC sheathed cables  
Based on AS/NZS 3008.1.1

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                          |                                                                                     |                                                                                     |                                                                                     | Enclosed Conduit in Air                                                             | Partially Surrounded by Thermal Insulation                                          | Completely Surrounded by Thermal Insulation                                         | Buried Direct                                                                       | Underground Ducts                                                                   |                                                                                     |                                                                                     | Single Phase Voltage Drop                                                           |                                                                                     |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                        | Spaced                                                                              | Spaced from Surface                                                                 | Touching                                                                            | Exposed to Sun                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                        |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
|                                        |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16                                     | 84                                                                                  | 71                                                                                  | 67                                                                                  | 50                                                                                  | 56                                                                                  | 45                                                                                  | 33                                                                                  | 91                                                                                  | 66                                                                                  | 79                                                                                  | 4.25                                                                                | 4.25                                                                                |                                                                                     |
| 25                                     | 113                                                                                 | 97                                                                                  | 91                                                                                  | 66                                                                                  | 75                                                                                  | 60                                                                                  | 45                                                                                  | 117                                                                                 | 87                                                                                  | 103                                                                                 | 2.67                                                                                | 2.67                                                                                |                                                                                     |
| 35                                     | 140                                                                                 | 119                                                                                 | 111                                                                                 | 81                                                                                  | 93                                                                                  | 75                                                                                  | 56                                                                                  | 140                                                                                 | 106                                                                                 | 122                                                                                 | 1.94                                                                                | 1.94                                                                                |                                                                                     |
| 50                                     | 171                                                                                 | 146                                                                                 | 136                                                                                 | 99                                                                                  | 111                                                                                 | 89                                                                                  | -                                                                                   | 166                                                                                 | 126                                                                                 | 147                                                                                 | 1.43                                                                                | 1.44                                                                                |                                                                                     |
| 70                                     | 219                                                                                 | 186                                                                                 | 174                                                                                 | 124                                                                                 | 142                                                                                 | 114                                                                                 | -                                                                                   | 203                                                                                 | 158                                                                                 | 180                                                                                 | 0.997                                                                               | 1.000                                                                               |                                                                                     |
| 95                                     | 271                                                                                 | 232                                                                                 | 216                                                                                 | 153                                                                                 | 171                                                                                 | 137                                                                                 | -                                                                                   | 243                                                                                 | 190                                                                                 | 214                                                                                 | 0.727                                                                               | 0.733                                                                               |                                                                                     |
| 120                                    | 318                                                                                 | 271                                                                                 | 253                                                                                 | 178                                                                                 | 203                                                                                 | 162                                                                                 | -                                                                                   | 277                                                                                 | 221                                                                                 | 248                                                                                 | 0.582                                                                               | 0.589                                                                               |                                                                                     |
| 150                                    | 366                                                                                 | 313                                                                                 | 291                                                                                 | 203                                                                                 | 229                                                                                 | 183                                                                                 | -                                                                                   | 310                                                                                 | 249                                                                                 | 277                                                                                 | 0.482                                                                               | 0.491                                                                               |                                                                                     |
| 185                                    | 427                                                                                 | 365                                                                                 | 339                                                                                 | 235                                                                                 | 261                                                                                 | 209                                                                                 | -                                                                                   | 352                                                                                 | 283                                                                                 | 321                                                                                 | 0.394                                                                               | 0.404                                                                               |                                                                                     |
| 240                                    | 513                                                                                 | 438                                                                                 | 407                                                                                 | 280                                                                                 | 312                                                                                 | 250                                                                                 | -                                                                                   | 409                                                                                 | 333                                                                                 | 371                                                                                 | 0.314                                                                               | 0.327                                                                               |                                                                                     |
| 300                                    | 596                                                                                 | 508                                                                                 | 472                                                                                 | 322                                                                                 | 368                                                                                 | 294                                                                                 | -                                                                                   | 463                                                                                 | 385                                                                                 | 430                                                                                 | 0.266                                                                               | 0.281                                                                               |                                                                                     |
| 400                                    | 705                                                                                 | 599                                                                                 | 557                                                                                 | 376                                                                                 | 424                                                                                 | 339                                                                                 | -                                                                                   | 530                                                                                 | 442                                                                                 | 491                                                                                 | 0.226                                                                               | 0.243                                                                               |                                                                                     |
| 500                                    | 829                                                                                 | 703                                                                                 | 652                                                                                 | 437                                                                                 | 509                                                                                 | 407                                                                                 | -                                                                                   | 604                                                                                 | 520                                                                                 | 559                                                                                 | 0.197                                                                               | 0.216                                                                               |                                                                                     |
| 630                                    | 978                                                                                 | 824                                                                                 | 765                                                                                 | 507                                                                                 | 582                                                                                 | 466                                                                                 | -                                                                                   | 688                                                                                 | 593                                                                                 | 654                                                                                 | 0.177                                                                               | 0.198                                                                               |                                                                                     |

## Current Ratings 2 Core (Cu) PVC/PVC

2 Core copper conductor, 450/750V and 0.6/1kV V-90 PVC insulated, armoured or non-armoured, PVC sheathed. Based on AS/NZS 3008.1.1.

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation, Unenclosed                            | Completely Surrounded by Thermal Insulation, Unenclosed                           | Buried Direct                                                                     | Underground Ducts                                                                 | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                            | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                |
|                                        |  |  |  |  |  |  |  |  |                                                |
| 1.0                                    | 15                                                                                | 14                                                                                | 11                                                                                | 13                                                                                | 11                                                                                | 7                                                                                 | 17                                                                                | 17                                                                                | 51.6                                           |
| 1.5                                    | 19                                                                                | 18                                                                                | 14                                                                                | 16                                                                                | 14                                                                                | 9                                                                                 | 21                                                                                | 21                                                                                | 33.0                                           |
| 2.5                                    | 27                                                                                | 26                                                                                | 20                                                                                | 23                                                                                | 20                                                                                | 13                                                                                | 30                                                                                | 30                                                                                | 18.0                                           |
| 4                                      | 37                                                                                | 34                                                                                | 27                                                                                | 30                                                                                | 27                                                                                | 17                                                                                | 39                                                                                | 39                                                                                | 11.2                                           |
| 6                                      | 46                                                                                | 44                                                                                | 34                                                                                | 39                                                                                | 35                                                                                | 22                                                                                | 50                                                                                | 50                                                                                | 7.49                                           |
| 10                                     | 64                                                                                | 60                                                                                | 46                                                                                | 52                                                                                | 48                                                                                | 30                                                                                | 66                                                                                | 66                                                                                | 4.46                                           |
| 16                                     | 85                                                                                | 80                                                                                | 60                                                                                | 68                                                                                | 64                                                                                | 40                                                                                | 114                                                                               | 86                                                                                | 2.81                                           |
| 25                                     | 113                                                                               | 107                                                                               | 79                                                                                | 90                                                                                | 85                                                                                | 53                                                                                | 147                                                                               | 112                                                                               | 1.78                                           |
| 35                                     | 139                                                                               | 131                                                                               | 97                                                                                | 112                                                                               | 105                                                                               | 65                                                                                | 178                                                                               | 136                                                                               | 1.28                                           |
| 50                                     | 170                                                                               | 159                                                                               | 116                                                                               | 133                                                                               | 127                                                                               | -                                                                                 | 211                                                                               | 162                                                                               | 0.957                                          |
| 70                                     | 215                                                                               | 201                                                                               | 145                                                                               | 170                                                                               | 161                                                                               | -                                                                                 | 259                                                                               | 202                                                                               | 0.673                                          |
| 95                                     | 265                                                                               | 248                                                                               | 175                                                                               | 204                                                                               | 198                                                                               | -                                                                                 | 311                                                                               | 243                                                                               | 0.498                                          |
| 120                                    | 307                                                                               | 288                                                                               | 202                                                                               | 241                                                                               | 230                                                                               | -                                                                                 | 355                                                                               | 282                                                                               | 0.405                                          |

## Current Ratings 2 Core (Cu) XLPE/PVC

2 Core copper conductor, 0.6/1kV X-90 XLPE insulated, armoured or non-armoured, PVC sheathed. Based on AS/NZS 3008.1.1.

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                          |                                                                                     |                                                                                     | Enclosed Conduit in Air                                                             | Partially Surrounded by Thermal Insulation, Unenclosed                              | Completely Surrounded by Thermal Insulation, Unenclosed                             | Buried Direct                                                                       | Underground Ducts                                                                   | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                              | Touching                                                                            | Exposed to Sun                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                |
|                                        |  |  |  |  |  |  |  |  |                                                |
| 1.5                                    | 24                                                                                  | 22                                                                                  | 19                                                                                  | 20                                                                                  | 18                                                                                  | 16                                                                                  | 24                                                                                  | 24                                                                                  | 28.6                                           |
| 2.5                                    | 34                                                                                  | 31                                                                                  | 27                                                                                  | 28                                                                                  | 25                                                                                  | 23                                                                                  | 34                                                                                  | 34                                                                                  | 15.6                                           |
| 4                                      | 45                                                                                  | 42                                                                                  | 36                                                                                  | 37                                                                                  | 33                                                                                  | 29                                                                                  | 45                                                                                  | 45                                                                                  | 9.71                                           |
| 6                                      | 57                                                                                  | 53                                                                                  | 46                                                                                  | 46                                                                                  | 42                                                                                  | 37                                                                                  | 56                                                                                  | 56                                                                                  | 6.49                                           |
| 10                                     | 78                                                                                  | 73                                                                                  | 63                                                                                  | 63                                                                                  | 58                                                                                  | 51                                                                                  | 75                                                                                  | 75                                                                                  | 3.86                                           |
| 16                                     | 104                                                                                 | 97                                                                                  | 83                                                                                  | 82                                                                                  | 78                                                                                  | 66                                                                                  | 132                                                                                 | 98                                                                                  | 2.43                                           |
| 25                                     | 140                                                                                 | 131                                                                                 | 111                                                                                 | 110                                                                                 | 105                                                                                 | 88                                                                                  | 170                                                                                 | 128                                                                                 | 1.54                                           |
| 35                                     | 173                                                                                 | 162                                                                                 | 136                                                                                 | 132                                                                                 | 129                                                                                 | 106                                                                                 | 205                                                                                 | 154                                                                                 | 1.11                                           |
| 50                                     | 211                                                                                 | 197                                                                                 | 165                                                                                 | 162                                                                                 | 158                                                                                 | 130                                                                                 | 244                                                                                 | 185                                                                                 | 0.829                                          |
| 70                                     | 268                                                                                 | 250                                                                                 | 208                                                                                 | 200                                                                                 | 200                                                                                 | 160                                                                                 | 300                                                                                 | 228                                                                                 | 0.583                                          |
| 95                                     | 331                                                                                 | 309                                                                                 | 255                                                                                 | 250                                                                                 | 247                                                                                 | 200                                                                                 | 360                                                                                 | 279                                                                                 | 0.431                                          |
| 120                                    | 385                                                                                 | 359                                                                                 | 295                                                                                 | 285                                                                                 | 287                                                                                 | 228                                                                                 | 410                                                                                 | 318                                                                                 | 0.351                                          |
| 150                                    | 441                                                                                 | 411                                                                                 | 336                                                                                 | 332                                                                                 | 328                                                                                 | 265                                                                                 | 460                                                                                 | 365                                                                                 | 0.296                                          |
| 185                                    | 509                                                                                 | 473                                                                                 | 385                                                                                 | 377                                                                                 | 379                                                                                 | 301                                                                                 | 520                                                                                 | 413                                                                                 | 0.251                                          |
| 240                                    | 604                                                                                 | 562                                                                                 | 454                                                                                 | 448                                                                                 | 449                                                                                 | 358                                                                                 | 603                                                                                 | 485                                                                                 | 0.210                                          |
| 300                                    | 694                                                                                 | 645                                                                                 | 518                                                                                 | 523                                                                                 | 516                                                                                 | 418                                                                                 | 680                                                                                 | 558                                                                                 | 0.186                                          |
| 400                                    | 804                                                                                 | 745                                                                                 | 594                                                                                 | 596                                                                                 | 596                                                                                 | 477                                                                                 | 771                                                                                 | 633                                                                                 | 0.168                                          |
| 500                                    | 915                                                                                 | 848                                                                                 | 671                                                                                 | 695                                                                                 | 678                                                                                 | 556                                                                                 | 862                                                                                 | 728                                                                                 | 0.156                                          |

## Current Ratings 3 & 4 Core (Cu) PVC/PVC

3 & 4 Core copper conductor, 450/750V and 0.6/1kV V-90 PVC insulated, armoured or non-armoured, PVC sheathed. Based on AS/NZS 3008.1.1.

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation, Unenclosed                            | Completely Surrounded by Thermal Insulation, Unenclosed                           | Buried Direct                                                                     | Underground Ducts                                                                 | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                            | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                |
|                                        |  |  |  |  |  |  |  |  |                                                |
| 1.0                                    | 13                                                                                | 12                                                                                | 9                                                                                 | 11                                                                                | 9                                                                                 | 6                                                                                 | 14                                                                                | 14                                                                                | 44.7                                           |
| 1.5                                    | 16                                                                                | 15                                                                                | 12                                                                                | 14                                                                                | 12                                                                                | 8                                                                                 | 18                                                                                | 18                                                                                | 28.6                                           |
| 2.5                                    | 23                                                                                | 22                                                                                | 17                                                                                | 20                                                                                | 17                                                                                | 11                                                                                | 25                                                                                | 25                                                                                | 15.6                                           |
| 4                                      | 31                                                                                | 29                                                                                | 23                                                                                | 25                                                                                | 23                                                                                | 15                                                                                | 33                                                                                | 33                                                                                | 9.71                                           |
| 6                                      | 40                                                                                | 37                                                                                | 29                                                                                | 33                                                                                | 30                                                                                | 19                                                                                | 42                                                                                | 42                                                                                | 6.49                                           |
| 10                                     | 54                                                                                | 51                                                                                | 39                                                                                | 44                                                                                | 41                                                                                | 25                                                                                | 55                                                                                | 55                                                                                | 3.86                                           |
| 16                                     | 72                                                                                | 68                                                                                | 5                                                                                 | 58                                                                                | 54                                                                                | 34                                                                                | 96                                                                                | 73                                                                                | 2.43                                           |
| 25                                     | 97                                                                                | 91                                                                                | 167                                                                               | 76                                                                                | 73                                                                                | 46                                                                                | 125                                                                               | 94                                                                                | 1.54                                           |
| 35                                     | 120                                                                               | 112                                                                               | 82                                                                                | 94                                                                                | 90                                                                                | 56                                                                                | 150                                                                               | 114                                                                               | 1.11                                           |
| 50                                     | 146                                                                               | 137                                                                               | 99                                                                                | 112                                                                               | 109                                                                               | -                                                                                 | 178                                                                               | 136                                                                               | 0.829                                          |
| 70                                     | 185                                                                               | 172                                                                               | 123                                                                               | 142                                                                               | 138                                                                               | -                                                                                 | 219                                                                               | 170                                                                               | 0.583                                          |
| 95                                     | 228                                                                               | 213                                                                               | 150                                                                               | 177                                                                               | 170                                                                               | -                                                                                 | 263                                                                               | 208                                                                               | 0.431                                          |
| 120                                    | 265                                                                               | 247                                                                               | 172                                                                               | 202                                                                               | 198                                                                               | -                                                                                 | 300                                                                               | 237                                                                               | 0.351                                          |
| 150                                    | 303                                                                               | 282                                                                               | 194                                                                               | 228                                                                               | 226                                                                               | -                                                                                 | 336                                                                               | 266                                                                               | 0.296                                          |
| 185                                    | 348                                                                               | 324                                                                               | 220                                                                               | 263                                                                               | 259                                                                               | -                                                                                 | 379                                                                               | 304                                                                               | 0.241                                          |
| 240                                    | 412                                                                               | 383                                                                               | 256                                                                               | 316                                                                               | 307                                                                               | -                                                                                 | 438                                                                               | 359                                                                               | 0.210                                          |
| 300                                    | 472                                                                               | 438                                                                               | 288                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 493                                                                               | 404                                                                               | 0.186                                          |

## Current Ratings 3 & 4 Core (Cu) XLPE/PVC

3 & 4 copper conductor, 0.6/1kV X-90 XLPE insulated, armoured or non-armoured, PVC sheathed. Based on AS/NZS 3008.1.1.

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                          |                                                                                     |                                                                                     | Enclosed Conduit in Air                                                             | Partially Surrounded by Thermal Insulation, Unenclosed                              | Completely Surrounded by Thermal Insulation, Unenclosed                             | Buried Direct                                                                       | Underground Ducts                                                                   | Single Phase Voltage Drop (@50Hz & 75°C) mV/Am |
|----------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|
|                                        | Spaced                                                                              | Touching                                                                            | Exposed to Sun                                                                      |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                                                     |                                                |
|                                        |  |  |  |  |  |  |  |  |                                                |
| 1.5                                    | 20                                                                                  | 19                                                                                  | 16                                                                                  | 16                                                                                  | 15                                                                                  | 13                                                                                  | 20                                                                                  | 20                                                                                  | 28.6                                           |
| 2.5                                    | 28                                                                                  | 26                                                                                  | 23                                                                                  | 24                                                                                  | 21                                                                                  | 19                                                                                  | 29                                                                                  | 29                                                                                  | 15.6                                           |
| 4                                      | 38                                                                                  | 35                                                                                  | 30                                                                                  | 30                                                                                  | 28                                                                                  | 24                                                                                  | 37                                                                                  | 37                                                                                  | 9.71                                           |
| 6                                      | 48                                                                                  | 45                                                                                  | 39                                                                                  | 38                                                                                  | 36                                                                                  | 30                                                                                  | 46                                                                                  | 46                                                                                  | 6.49                                           |
| 10                                     | 66                                                                                  | 62                                                                                  | 53                                                                                  | 53                                                                                  | 49                                                                                  | 42                                                                                  | 63                                                                                  | 63                                                                                  | 3.86                                           |
| 16                                     | 88                                                                                  | 83                                                                                  | 70                                                                                  | 68                                                                                  | 66                                                                                  | 55                                                                                  | 110                                                                                 | 81                                                                                  | 2.43                                           |
| 25                                     | 119                                                                                 | 111                                                                                 | 94                                                                                  | 91                                                                                  | 89                                                                                  | 73                                                                                  | 143                                                                                 | 107                                                                                 | 1.54                                           |
| 35                                     | 147                                                                                 | 137                                                                                 | 115                                                                                 | 114                                                                                 | 110                                                                                 | 91                                                                                  | 172                                                                                 | 130                                                                                 | 1.11                                           |
| 50                                     | 180                                                                                 | 168                                                                                 | 140                                                                                 | 136                                                                                 | 134                                                                                 | 108                                                                                 | 204                                                                                 | 155                                                                                 | 0.829                                          |
| 70                                     | 229                                                                                 | 213                                                                                 | 177                                                                                 | 173                                                                                 | 170                                                                                 | 138                                                                                 | 251                                                                                 | 193                                                                                 | 0.583                                          |
| 95                                     | 283                                                                                 | 263                                                                                 | 217                                                                                 | 209                                                                                 | 210                                                                                 | 167                                                                                 | 302                                                                                 | 233                                                                                 | 0.431                                          |
| 120                                    | 330                                                                                 | 306                                                                                 | 251                                                                                 | 246                                                                                 | 245                                                                                 | 197                                                                                 | 344                                                                                 | 270                                                                                 | 0.351                                          |
| 150                                    | 377                                                                                 | 350                                                                                 | 285                                                                                 | 277                                                                                 | 280                                                                                 | 222                                                                                 | 385                                                                                 | 304                                                                                 | 0.296                                          |
| 185                                    | 436                                                                                 | 404                                                                                 | 327                                                                                 | 322                                                                                 | 323                                                                                 | 257                                                                                 | 435                                                                                 | 348                                                                                 | 0.251                                          |
| 240                                    | 517                                                                                 | 479                                                                                 | 385                                                                                 | 386                                                                                 | 383                                                                                 | 309                                                                                 | 504                                                                                 | 411                                                                                 | 0.210                                          |
| 300                                    | 594                                                                                 | 549                                                                                 | 439                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 567                                                                                 | 463                                                                                 | 0.186                                          |
| 400                                    | 685                                                                                 | 632                                                                                 | 502                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 640                                                                                 | 524                                                                                 | 0.168                                          |
| 500                                    | 779                                                                                 | 718                                                                                 | 566                                                                                 | -                                                                                   | -                                                                                   | -                                                                                   | 719                                                                                 | 601                                                                                 | 0.156                                          |

# Current Ratings 3 & 4 Core (Al) XLPE/PVC

3 & 4 Core aluminium conductor, 0.6/1kV X-90 XLPE insulated, armoured or non-armoured, PVC sheathed. Based on AS/NZS 3008.1.1.

| Nominal Conductor Area mm <sup>2</sup> | Unenclosed                                                                        |                                                                                   |                                                                                   | Enclosed Conduit in Air                                                           | Partially Surrounded by Thermal Insulation, Unenclosed                            | Completely Surrounded by Thermal Insulation, Unenclosed                           | Buried Direct                                                                     | Underground Ducts                                                                 | Single Phase Voltage Drop |
|----------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------|
|                                        | Spaced                                                                            | Touching                                                                          | Exposed to Sun                                                                    |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                           |
|                                        |  |  |  |  |  |  |  |  | (@50Hz & 75°C) mV/Am      |
| 16                                     | 72                                                                                | 68                                                                                | 5                                                                                 | 58                                                                                | 54                                                                                | 34                                                                                | 96                                                                                | 73                                                                                | 4.04                      |
| 25                                     | 97                                                                                | 91                                                                                | 167                                                                               | 76                                                                                | 73                                                                                | 46                                                                                | 125                                                                               | 94                                                                                | 2.54                      |
| 35                                     | 120                                                                               | 112                                                                               | 82                                                                                | 94                                                                                | 90                                                                                | 56                                                                                | 150                                                                               | 114                                                                               | 1.84                      |
| 50                                     | 146                                                                               | 137                                                                               | 99                                                                                | 112                                                                               | 109                                                                               | -                                                                                 | 178                                                                               | 136                                                                               | 1.36                      |
| 70                                     | 185                                                                               | 172                                                                               | 123                                                                               | 142                                                                               | 138                                                                               | -                                                                                 | 219                                                                               | 170                                                                               | 0.948                     |
| 95                                     | 228                                                                               | 213                                                                               | 150                                                                               | 177                                                                               | 170                                                                               | -                                                                                 | 263                                                                               | 208                                                                               | 0.691                     |
| 120                                    | 265                                                                               | 247                                                                               | 172                                                                               | 202                                                                               | 198                                                                               | -                                                                                 | 300                                                                               | 237                                                                               | 0.552                     |
| 150                                    | 303                                                                               | 282                                                                               | 194                                                                               | 228                                                                               | 226                                                                               | -                                                                                 | 336                                                                               | 266                                                                               | 0.457                     |
| 185                                    | 348                                                                               | 324                                                                               | 220                                                                               | 263                                                                               | 259                                                                               | -                                                                                 | 379                                                                               | 304                                                                               | 0.373                     |
| 240                                    | 412                                                                               | 383                                                                               | 256                                                                               | 316                                                                               | 307                                                                               | -                                                                                 | 438                                                                               | 359                                                                               | 0.297                     |
| 300                                    | 472                                                                               | 438                                                                               | 288                                                                               | -                                                                                 | -                                                                                 | -                                                                                 | 493                                                                               | 404                                                                               | 0.251                     |

# Current Ratings Flexible Cords

Insulation Type: Thermoplastic or cross-linked  
Maximum conductor temperature: 60°C  
Reference ambient temperature: 25°C in air  
Based on AS/NZS 3008.1.1

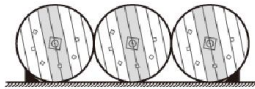
| Conductor size mm <sup>2</sup> | Current-carrying capacity A | When wound on a drum multiply current-carrying capacity by the following factor |                 | Voltage drop |             |
|--------------------------------|-----------------------------|---------------------------------------------------------------------------------|-----------------|--------------|-------------|
|                                |                             |                                                                                 |                 | Single phase | Three phase |
|                                |                             | Number of layers                                                                | Derating factor | mV/A.m       |             |
| 0.50                           | 0.50                        | 1                                                                               | 0.76            | 90.3         | 78.2        |
| 0.75                           | 0.75                        | 2                                                                               | 0.58            | 60.2         | 52.1        |
| 1.00                           | 1.00                        | 3                                                                               | 0.47            | 45.2         | 39.1        |
| 1.50                           | 1.50                        | 4                                                                               | 0.4             | 30.8         | 26.7        |
| 2.50                           | 2.50                        | -                                                                               | -               | 18.5         | 16.0        |
| 4.00                           | 4.00                        | -                                                                               | -               | 11.5         | 9.92        |

# Drum Handling Guide

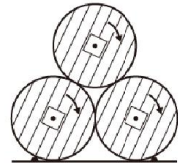
## STORAGE



Keep the drum standing upright, using wedges in the heels of the flanges.



Keep in sequence.



Only drums with protection lagging may be stacked flange on flange. Lower layer to be secured over full drum width.



Never lay them flat.

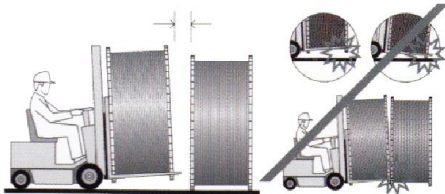
## TRANSPORT



Roll the drum in the direction used during cable reeling.

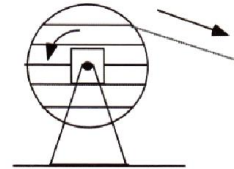


Drums may be lifted either by crane or fork-lift truck.



The forks of the truck must be longer than the width of the drum, so that the lagging is not damaged. When moving the drum, tilt the truck mast so that the drum remains in the fork and the points don't touch the ground. Raise the forks of the forklift sufficiently above the ground. Insufficient raising may cause the drum to be dragged on the ground and damaged or dropped off the forks if the ground surface is uneven. Don't release the drum until the truck has stopped completely. Don't push the drum with the truck. Leave sufficient room between each drum so that the fork doesn't damage the drum.

## UNWINDING

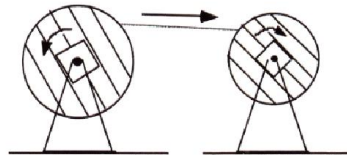


Unwinding this way.

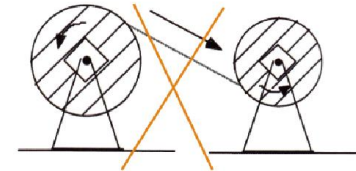


Never unwinding this way.

## RE-WINDING



Recommended.



Not recommended.

## NAIL WITH CAUTION



If the wooden lagging needs to be refastened, the nailing should be done carefully in the middle of the drum flange. If label or similar is attached to the drum with nails, make sure that they don't touch the cable.