
FAULT LEVEL: Up to 10kA for 1sec or to customer requirements

TEMPERATURE RANGE:

Lowest cable temperature during installation: -10°C and below 0°C special precaution must be taken.

During installation: 18 x D. When installed: 12 x D (PVC sheathed cables)
D = Overall diameter of cable

CONDUCTOR:

SEMI-CONDUCTIVE CONDUCTOR SCREEN:

INSULATION:

SEMI-CONDUCTIVE INSULATION SCREEN:

METALLIC SCREEN:

INNER SHEATH:

ARMOUR:

OUTER SHEATH:

Other colours available on request

[illegible]

Conductor size	Maximum conductor DC resistance at 20°C	Conductor AC resistance at 50Hz and 90°C	Inductive reactance at 50Hz and 90°C	Insulation resistance at 20°C	Charging current per phase	Dielectric loss per phase	Zero sequence resistance at 20°C	Zero sequence reactance at 50Hz
mm²	Ω/km	Ω/km	Ω/km	MΩ.km	A/km	W/km	Ω/km	Ω/km
50	0.641	0.822	0.112	7500	0.385	5.86	1.49	0.0658
70	0.443	0.568	0.103	6500	0.446	6.78	1.12	0.0569
95	0.320	0.411	0.0987	5800	0.499	7.59	0.873	0.0527
120	0.253	0.325	0.0954	5200	0.550	8.35	0.758	0.0495
150	0.206	0.265	0.0926	4800	0.600	9.12	0.700	0.0468
185	0.164	0.211	0.0898	4400	0.660	10.0	0.645	0.0442
240	0.125	0.162	0.0874	4100	0.708	10.8	0.541	0.0420
300	0.100	0.130	0.0860	4000	0.725	11.0	0.502	0.0407
400	0.0778	0.102	0.0833	3800	0.762	11.6	0.460	0.038

Conductor size	Current rating at core temp. 90°C in ground	Current rating at core temp. 90°C in air	Max. short-circuit current on the conductor during 1sec at initial temp. 90°C	Short circuit current rating of the screen 1sec
mm²	A	A	kA	kA
50	156	151	4.7	4.8
70	191	187	6.6	6.8
95	227	226	9.0	9.1
120	257	259	11.3	10.1
150	287	293	14.2	10.1
185	323	335	17.5	10.1
240	371	391	22.7	10.1
300	414	444	28.4	10.1
400	467	510	37.8	10.1