

NAN[®]

Powering the Future with NAN[®] Cable

NAN Electrical Cable Australia Pty Ltd

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NAN Electrical Cable Australia Pty Ltd

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Company Introduction

Powering the Future

There's a new force in Australian industry, set to power the nation's future.

NAN Electrical Cable Australia Pty Ltd (NAN Cables) is now a part of the Australian landscape, here to serve Australian industry through leadership in technology and excellence in customer service.

NAN Cables is a subsidiary of Chinese industrial giant Guangdong Nanyang Cable Group Holding Co. Ltd (Nanyang Cable Group). We bring to the Australian market the expertise the company has developed and combined it with an experienced team of Australian cable professionals.





Former Nanyang Wire Factory in 1985



Nanyang Cable workshop in Shantou in 1995



Nanyang Cable Factory in 1998



From its inception in 1985, the Nanyang Cable Group adopted a "quality first, customer first" business philosophy. This soon struck a chord with Chinese industry and it wasn't long before the company became a backbone of the country's burgeoning cable industry.

This was an era of unprecedented economic growth in China, with numerous projects coming off the drawing board and demanding timely manufacture and installation to keep pace with the demands of the expanding Chinese economy.

Nanyang Cable Group responded decisively, intensifying its research and development, investing in new equipment and production facilities, increasing its manufacturing capabilities and positioning the company to deliver its extensive range of high-quality NAN® power cables to numerous large-scale construction projects, among them the 2008 Beijing Olympics.

Making Cables Making History

With strong foundations and a substantial customer base in place in 2008, the company was ready to embark on its next growth phase and take a major leap forward.



Backed by a proud record of spectacular and sustainable year-on-year growth that positioned Nanyang Cable Group as one of China's leading and largest power cable manufacturers, the company came of age on 1 February 2008 when Guangdong Nanyang Cable Group Holding Co. Ltd and subsidiaries Nanyang Cable (Tianjin) Co. Ltd, Guangzhou Nanyang Cable Co. Ltd and Guangdong Nanyang Extra High Voltage Cable Co. Ltd listed on the Shenzhen Stock Exchange.

In so doing, Nanyang Cable Group became the first private cable manufacturer in China's history to be listed on any Chinese Stock Exchange. The company currently has four large-scale modern production bases in Shantou, Guangzhou and Tianjin, fitted with some of the world's most advanced and sophisticated local and international cable making machinery and testing equipment.

After supplying into the Australian market for 10 years, the Nanyang Cable Group has taken another decisive step by establishing its first offshore operation in Australia, the subsidiary company NAN Electrical Cable Australia Pty Ltd.

NAN Electrical Cable Australia Pty Ltd signals the start of an exciting new chapter in the company's drive to be recognised as a world leader in its field. While drawing on the technical and managerial skills of the parent company, NAN Cables adds considerable local management, administration, product and sales expertise to give customers in Australia, New Zealand and Pacific countries easy access to the best possible products and services.



Guangzhou Nanyang Cable Factory



Nanyang Cable (Tianjin) Factory



Guangdong Nanyang Extra High Voltage Cable Factory

Our History at a Glance

- 1985 Guangdong Nanyang Wire Co. Ltd established
- 1986 NAN® brand created
- 1995 Shantou factory purchased and commissioned in the Zhujin Industrial Zone
- 1997 Achieved ISO 9001 Quality System certification
- 1998 Established Guangdong Nanyang Cable Group Holding Co. Ltd
First CCV line installed in Shantou factory
- 2000 Opened Beijing office
- 2001 Guangzhou Nanyang factory commissioned, with two MV XLPE CCV lines installed
- 2004 Achieved ISO 14001 Quality Management System and Environmental Management System certification
NANC products received 'China Top Brand' status
First exports to Australia
- 2007 Guangdong Nanyang Extra High Voltage factory established, with two 500kV VCV lines and a 700kV test facility installed and commissioned
- 2008 Guangdong Nanyang Cable Group Holding became the first private cable company to list on the Stock Exchange
- 2009 NAN® products attain 'Chinese Famous Brand' status
Nanyang Cable Group attains AAA Bank's credit rating
Nanyang Tianjin factory commissioned
First exports to Greece
11kV cable CESI test certificate granted
- 2010 First exports to USA
- 2011 220kV KEMA certificate granted
- 2012 First 220kV cable exports to India
NAN Electrical Cable Australia Pty Ltd established
- 2013 First exports to Papua New Guinea and the Pacific
- 2014 500kV KEMA certificate granted

Manufacturing Facilities



Factories for Today and Tomorrow

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

This philosophy drives all aspects of the Nanyang Cable Group business, none more so than its manufacturing facilities.

Today, Nanyang Cable Group has four large-scale modern production bases, with one in each of Shantou and Tianjin and two in Guangzhou. Collectively, they cover some 500,000 square metres, comprise \$330 Million in fixed assets and have an annual production capacity of approximately \$1.5 billion.

The Shantou, Guangzhou and ultra-large scale Tianjin manufacturing facilities produce power cables up to 500kV, including products such as control cables, overhead cables, fire performance cables, low smoke and halogen-free cables.



Stranding



Conductor Cabling



Stranding and venting ovens

The \$66 Million Guangdong Nanyang Extra High Voltage factory is the company's primary production base for environmentally-friendly extra high voltage cross-linked cables.

Having the tallest VCV tower in Southern China equipped with the most advanced equipment available, the quality 110kV and 220kV cables we have produced has captured a large slice of the market in China and increasingly overseas.

Not satisfied with these achievements, Nanyang Cable Group has developed 500kV cables to satisfy future demands.



MAILLEFER
Triple Cross-Linked Extruding

Equipped with some of the world's most advanced and sophisticated local and international cable making machinery and testing equipment, the Nanyang Cable Group facilities produce high quality and durable low, medium, high and ultra-high voltage products at globally competitive prices.

In the pursuit of perfection, Nanyang Cable Group has introduced two complete sets of the world's most advanced 500kV triple extrusion vertical cross-linked production lines from Mallefer, Finland, as well as nine automatic on-line diameter measurement units from Germany's Sikora and partial discharge test systems with 700kV test voltage and sensitivity exceeding 1pC from Haefely in Switzerland.

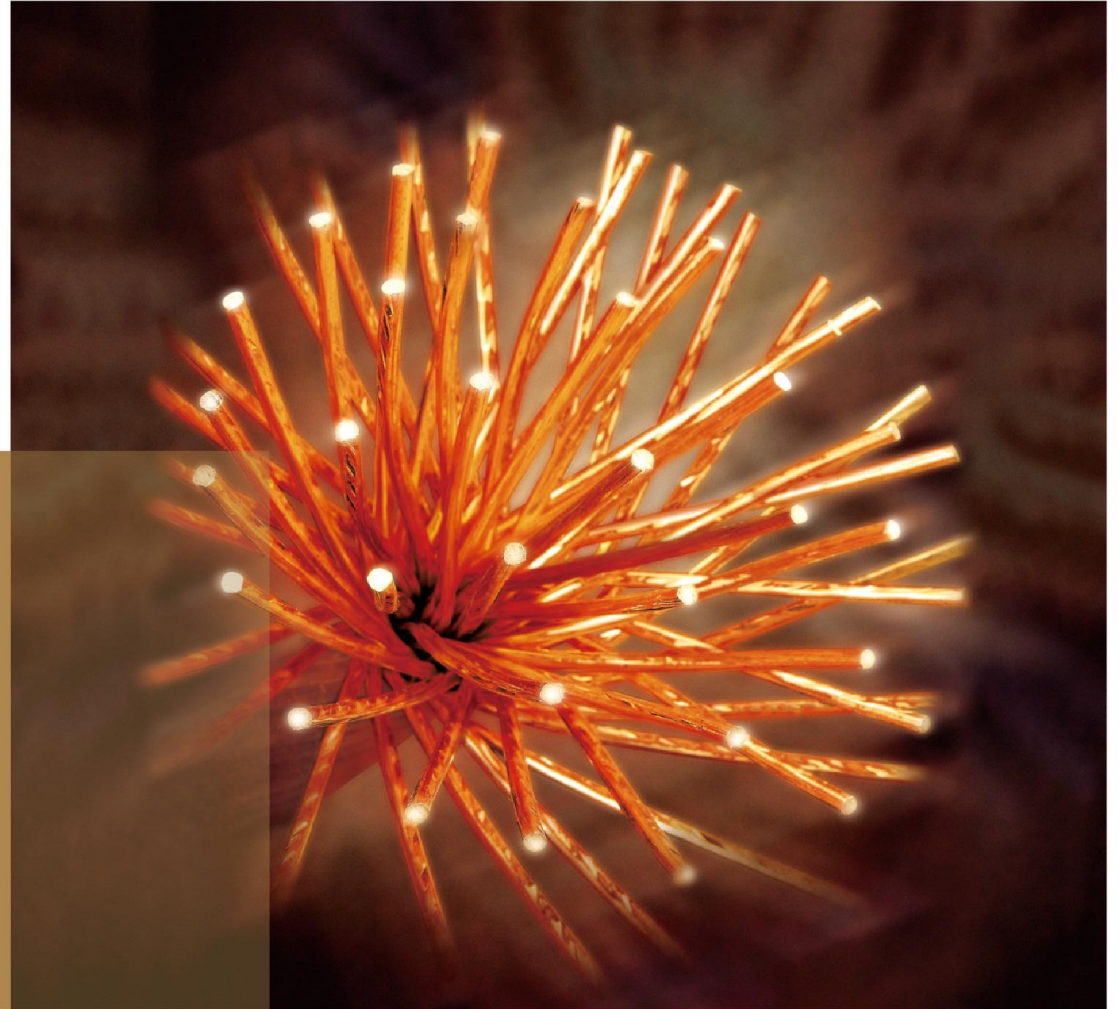
The company's high voltage test facility boasts the most advanced screening technology of all Chinese Cable manufacturers.

Quality is the Key to Our Success

Quality First, Customer First

As further testament to Nanyang Cable Group's quality commitment, the company continues to invest in its people, in education and training and in research and development to ensure it remains at the forefront of the global cable industry and continues to provide customers with quality products and excellent service.

Since inception in 1985, the emphasis has very much been on creating a work environment that attracts, develops and retains the best people in the industry. From experienced experts with strong design and product development capabilities in extra high voltage cable manufactures to management professionals, technical personnel and skilled workers, Nanyang Cable Group staff receive carefully-tailored training courses and programs to keep them ahead of technological advancements and ensure that they reach their full professional potential.



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 Nanyang Cable Group stamp of approval.

These endeavours are best exhibited in Nanyang Cable Group's research and development standing, where dedicated teams work tirelessly to harness the powers of scientific and technological developments and combine them with advanced production procedures to deliver a world-class range of products.

It's a quest that has seen NAN® power cables attain the highest international quality and accreditation standards.



Jacket Extruding



Haefely 700kV Partial Discharge Test Room



Test Lab

At the international level, Nanyang Cable Group's Quality Management System (QMS), environmental practices and safety procedures are of the highest standing. The company enjoys ISO9001 quality system certification and ISO14001 quality and environmental management system certification.

At home in China, NAN® cables hold 'China Top Brand' and 'Chinese Famous Brand' status and are accredited by the country's Quality Assurance Administration. The company is also recognised as a National Grade Hi-Tech Enterprise, with all products having passed the National Quality Authentication Authority's safety examination and obtained the prized China Quality Certification Centre (CCC) certification.

All of which have combined to strengthen an already standout company with the financial stability and economic outlook you'd expect from an organisation with a AAA bank credit rating.



3000kV Impulse Voltage Test

A History of Performance

Powering Projects of Olympic Proportion

NAN® cables have proved their worth in powering the future and are today the products of choice with power utilities, electrical materials distributors and dealers, construction and engineering firms, electrical contractors and industrial companies at home and abroad.

Apart from numerous rail electrification projects at Guangzhou Southern Railway Station and the Nanjing Metro and television towers in Beijing and Guangzhou, perhaps the most recognisable of Nanyang Cable Group's many key assignments are associated with Beijing's hosting of the 2008 Olympic Games.

Here, Nanyang Cable Group products can be found in the Bird's Nest Stadium, the Olympic Sports Centre, the Olympic Media Broadcast Centre and the Olympic Games subway rail line.

NAN® power cables were also utilised in the Guangzhou Asian Games main stadium, at Beijing Capital, Guangzhou Baiyun and Shenzhen International Airports and at the Guangzhou Panzhou Exhibition Centre, Wind Power Plant in Greece and a Hydro Power Station in India, to name but a few.

NAN Cables power the Beijing Bird's Nest Stadium





The Tianjin Museum



1. Beijing Capital International Airport

2. Guangzhou Panzhou Exhibition Centre



Guangzhou TV Tower,
the highest in China
and fourth highest in the world

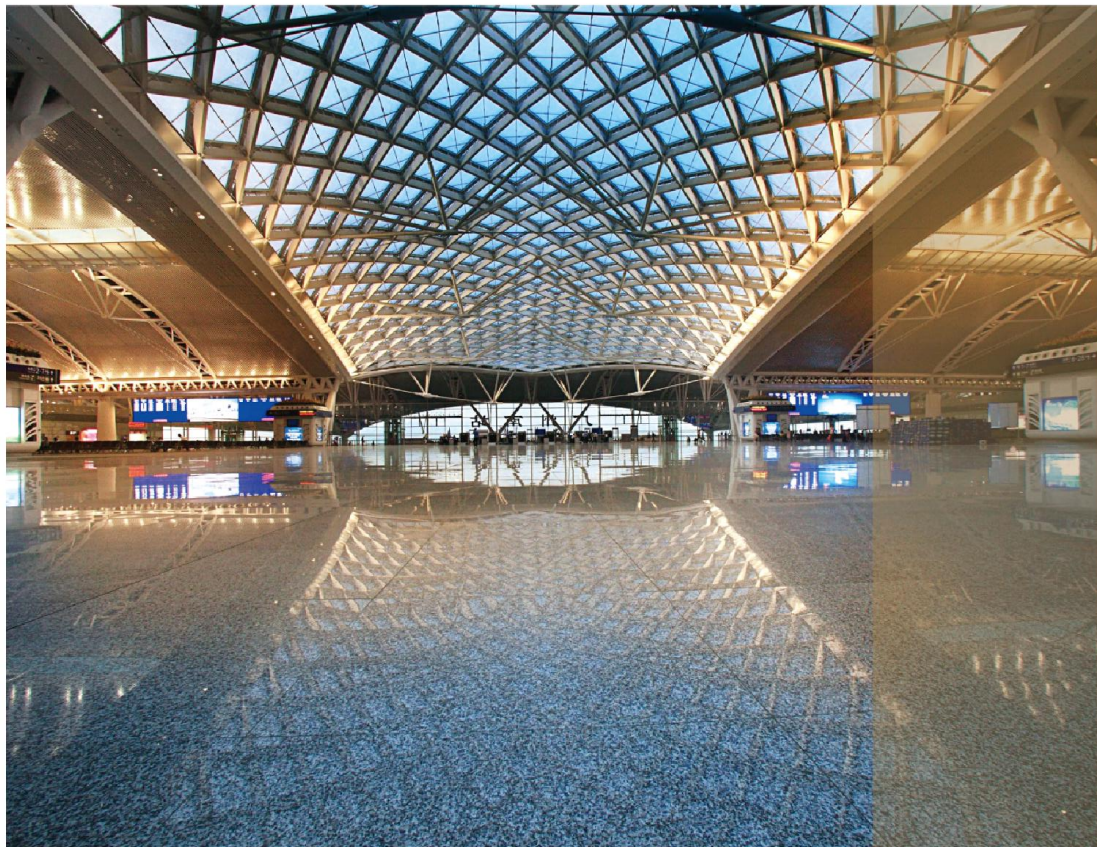


Beijing TV Station

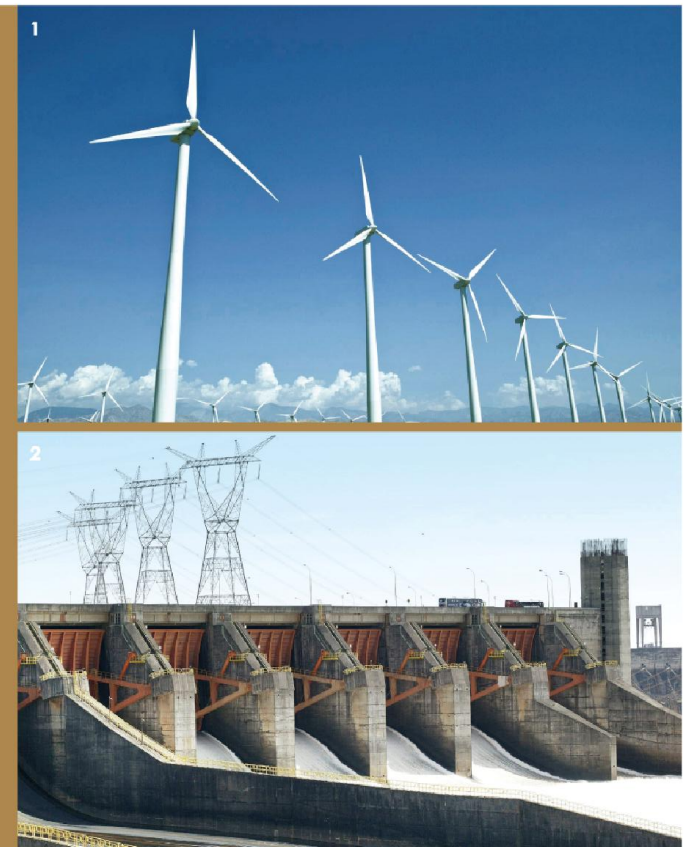


Nanjing Metro

Having earned the trust and confidence of customers through the ongoing provision of quality products and services, Nanyang Cable Group today enjoys longstanding and mutually beneficial business relationships with China's National Grid, the China Southern Power Grid and numerous municipal power supply companies as they set about transforming China's urban and rural network.



The Guangzhou Southern Railway Station, the largest in China and a key component of the Wu-Guang Fast Train Line



1. A wind power station dominates the Greek landscape

2. Hydro Power Station in India



Guangzhou Subway Station



Beijing Olympic Centre



Zheng-Xi Fast Train Line



With its feet firmly on the ground and eyes very much on the future, Nanyang Cable Group embarks with confidence on its new strategy to develop the Oceania market through the establishment of a subsidiary company based in Australia. In time, it will look to apply the Australia model to other corners of the globe identified as central to its expansion program and its drive to establish the NAN® brand as one of the most respected on the international stage.

In the meanwhile, Nanyang Cable Group will continue to introduce its products to the world through its network.

To countries and regions where it already has a presence, such as France, Greece, Hong Kong, Macau, Mexico, Mongolia, Nigeria, Pakistan, the United States and Yemen, as well as through Africa, Europe, South America and South-East Asia.

And to new frontiers.



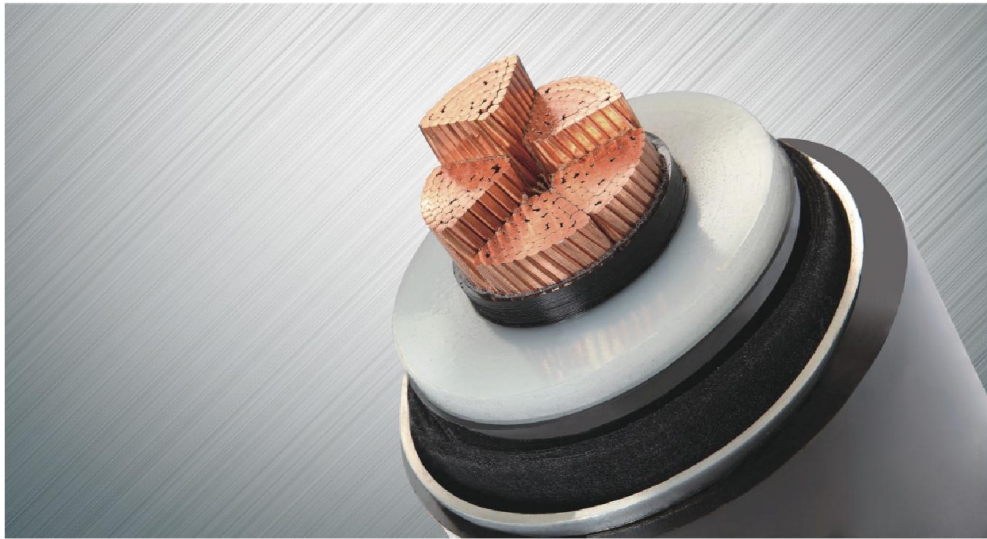
Product Range

Over its impressive 30-year history, Nanyang Cable Group has consistently reviewed, revamped and increased its product line to meet current demand and future projections.



The current product range covers low, medium, high and ultra-high voltage products, encompassing:

- Environmentally-friendly extra high-voltage cross-linked cables up to 500kV
- Low voltage wires and cables
- Control cables, steel wire armoured cables
- Aerial insulated power cables
- Rubber cables
- Nuclear power station cables
- Submarine cables
- Fire-proof and flame-retardant cables
- Low smoke and halogen-free cables
- Rodent Proof cables
- Purpose-made special cables
- Bare overhead conductors
- Medium voltage XLPE cables
- Flexible cords and cables



**We are in Australia,
We Serve Australia and the Pacific.**
Powering the future with NAN[®] Cable

Aerial Cables	ACSR,ACSR/AC,AAC,SC/GZ & SC/AC,Hard Drawn Copper,LV ABC ,HV ABC
High Voltage XLPE Cables	240mm ² – 3000mm ² rated 66kV, 110kV, 132kV, 220kV (Al & Cu)
Medium Voltage XLPE Cables	<ul style="list-style-type: none"> • 1C (Al & Cu) 6.6 kV to 33 kV • 3C (Al & Cu) 6.6 kV to 33 kV plus SWA designs • 3C Triplex designs 11 & 22kV
Low Voltage XLPE and PVC Cables	<ul style="list-style-type: none"> • 1C Cu PVC 0.5 mm² – 630mm² (Building wires) • 1C Cu & Al PVC/PVC and XLPE/PVC 1.0 mm² – 630mm² (SDI - single core double insulated) • Flat cables Cu Flat PVC 2C, 2C&E, 3C, 3C&E • 2C&E, 3C&E, 4C&E Cu PVC/PVC & XLPE/PVC Circulars (Orange circulars) • 2C&E, 3C&E, 4C&E Cu PVC/PVC/SWA/PVC & XLPE/PVC/SWA/PVC Circulars (Orange circulars) • Cu PVC/PVC Multicore control cables 1.5 & 2.5 mm² from 5C&E to 50C&E • Cu PVC/PVC/SWA/PVC Multicore SWA control cables 1.5 & 2.5 mm² from 5C&E to 50C&E • Fire Alarm
Other cables	<ul style="list-style-type: none"> • Flexible Cables Cu PVC from Figure 8 to flexible cords 2C,3C & 4C • Welding cable