

/ Introduction of All-dry Outdoor Optical Cable Solution

The all-dry optical cable is a new type developed on the basis of the traditional jelly-filled optical cable, which is absolutely free of any jelly. As the traditional fibre jelly and cable jelly are substituted with the high-performance water-blocking yarn, water-blocking tape and other dry materials, thus solving the water blocking problem, meanwhile, the construction efficiency of optical cable is greatly increased, and the consumption of wiping paper and solvent is reduced. The all-dry optical cable provides a safe, high-efficiency and green all-dry water blocking method.

The all-dry outdoor optical cable solution of YOFC provides the loose tube structure and the slotted core structure, can meet different application demands of backbone network, metropolitan area network and access network.

/ All-dry Optical Cable VS Jelly-filled Optical Cable

- The all-dry optical cable can reduce the consumption of wiping paper and solvent, thus being energy-saving and environment-friendly.
- The all-dry cable can greatly save the time required for jelly cleaning when fibre splicing, thus being economic and high-efficient.
- The quality problem caused by the dust/pollutant absorbed by the left jelly is avoided in the splicing process. Thus, the performance is perfect.
- The optical cable is jelly-free and the flame-retardant all-dry optical cable has the better flame resistance.

All-dry optical cable GYA



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Jelly-filled optical cable GYTA



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/ Application Cases

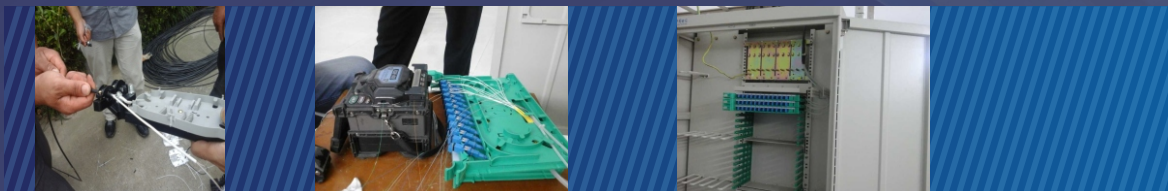
The all-dry outdoor optical cable can be widely applied to the core network, the access network and the FTTH project. Its installation methods include duct, aerial, and direct buried.

Oversea cases:

- It has been exported to the north America and south Asia markets, the optical cable cores vary from 8 to 288, and product quality is recognized by the user.
- The wider demand and market will appear in future, covering all-dry ADSS cable, optical electric composite cable, etc.

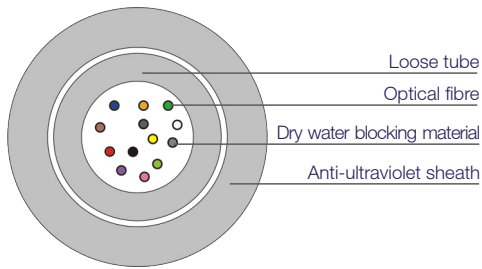
Domestic cases:

- The pilot project has been set up in Haiyan County, Nantong with Jiangsu Telecom. The stranded structure and unitube structure will be adopted.
- Wuhan Modern International Garden project
- FTTX access network project of Tianjin Unicom



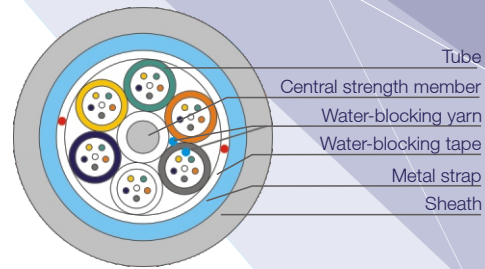
/ Product Series

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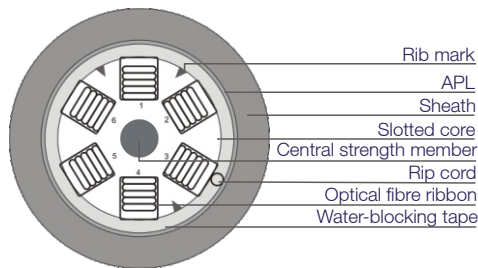
- Unitube type non-metal structure, G.657.A2 anti-bending optical fibre
- Good crush resistance and flexibility, small size, light weight, lightning protection and flame resistance
- Able to be used as the drop cable or riser cable in buildings

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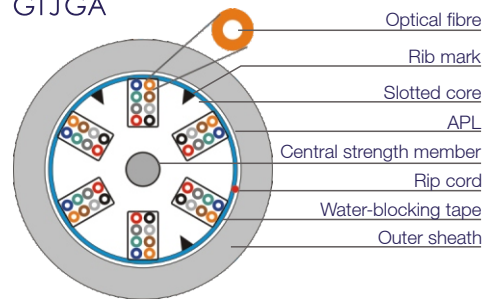
- Stranded structure, metal strap sheath or double-layer metal strap sheath, water resistance and moisture resistance
- Good mechanical performance and temperature feature
- The loose tube is made of flexible and anti-bending material, the bending radius of tube is small, thus being suitable for retaining the tube in the small-size closure
- Suitable for duct, aerial, and direct buried installation

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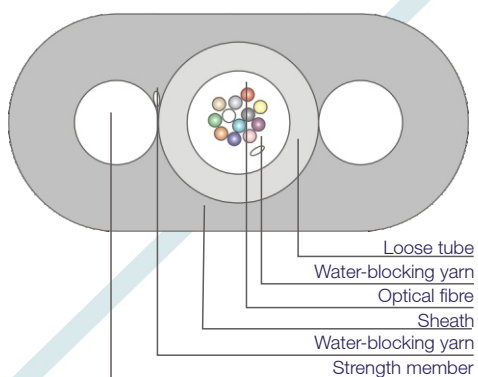
- Slotted core type optical ribbon cable, metal strap sheath, water resistance and moisture resistance
- Good tensile and crush performance, and temperature feature
- Ribbon fibre with high splicing efficiency
- Suitable for duct and aerial installation

GTJGA



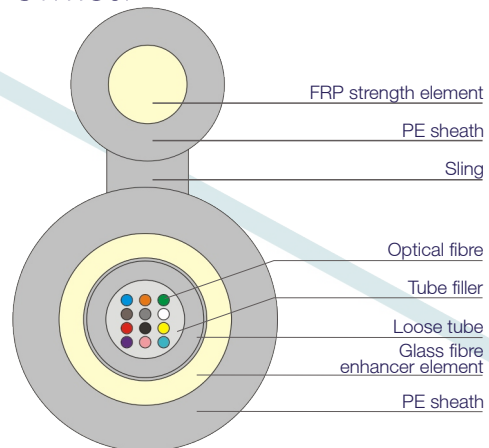
- Slotted core type tight buffered fibre cable, metal strap sheath, water resistance and moisture resistance
- Good tensile and crush performance, and temperature feature
- Tight buffered fibre placed in the slotted core, easy for branching
- Suitable for duct and aerial installation, and applicable for suburban optical cabling.

GYQFXBY



- Flat structure, with a parallel FRP strength element on each end of loose tube
- Complete non-metal structure, lightning protection and moisture resistance
- Able to be used as the drop cable or riser cable in buildings

GYFXC8F



- Complete non-metal figure 8 cable structure, lightning protection, moisture resistance, can be installed in one pole with the electric cable
- Good tensile and crush performance, and temperature feature
- Suitable for aerial installation, and applicable for suburban optical cabling.