

Outside Plant Cable



① Direct Buried Cable

Direct buried cable can be buried directly into the ground in a trench or using a vibratory plow. Except for with great water-blocking and moisture-proof performance, it also has good crushing and mechanical performance. With metallic central strength members, it offers ease of location while dielectric design eliminates grounding issues.

② Duct Cable

Duct cables are typically buried, and then the cables are air-blown, jetted, pulled or pushed into the duct. It features high tensile strength and excellent waterproof protection. Usually armored cables are installed under floors in data centers or in rocky soil, as well as to prevent rodent penetration.

③ Aerial Cable

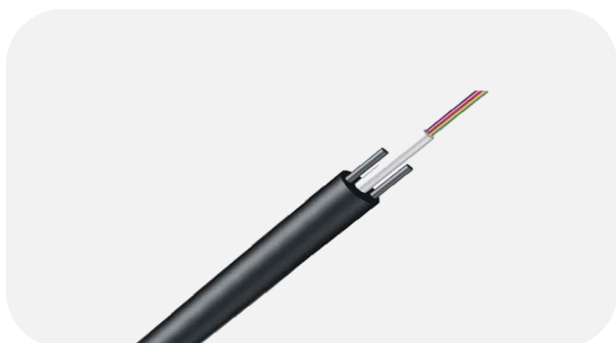
Aerial Cables are for outside installation on poles where consideration must be given to continual tension from the cable weight as well as wind and ice loads. It can be helically lashed to a messenger or another cable. Self-supporting cables use special hardware to handle the installed tension on the cables caused by the weight of the cables and environmental factors like wind.

Outdoor Cable

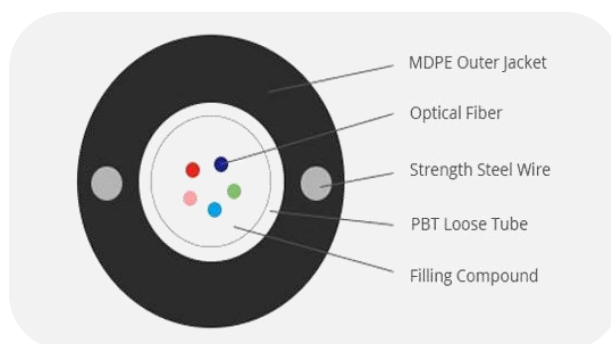
Non-Armored Single-Jacket Waterproof Outdoor Cable-GYXTY

GYXTY Non-Armored Cables feature central loose tube filled with special grease, providing key protection for the fiber and ensures good water blocking resistance. Two entrained parallel steel wires to ensure tensile strength and anti-tension. The cable is completed with a single medium density polyethylene (PE) sheath. It's suitable for installation in duct and aerial for communication between bureaus, trunk power transmission, access network.

Non-Armored Duct Cable-GYXTY



Inner Structure-GYXTY



Features and Benefits

- Low dispersion and attenuation
- Good mechanical and temperature resistant performance
- PE sheath have good ultraviolet radiation resistance
- Central loose tube minimizes the influence of lateral crush
- Two parallel steel wires ensure tensile strength communication-strong
- Small cable diameter, light weight, compact tight bending performance

Application

- Aerial and duct application
- Bureaus network
- Trunk power transmission system
- Long distance communication and LAN
- Suitable for the situation where high-density fibers is expected

Technical Specification

Parameter	Unit	Life Cycle	2F	4F	6F	8F	12F	24F
Minimum Tensile Strength	N	short term	1200	1200	1200	1200	1200	1200
		long term	1500	1500	1500	1500	1500	1500
Minimum Crush Load	N/100m m	short term	600	600	600	600	600	600
		long term	500	500	500	500	500	500
Minimum Bending Radius	MM	short term	20D	20D	20D	20D	20D	20D
		long term	10D	10D	10D	10D	10D	10D
Storage Temperature	°C	-40 to +60						

Optical Characteristic

Parameter	Unit	G.652		50/125µm		62.5/125µm	
Attenuation	dB/km	1310nm	≤0.36	850nm	≤3.0	850nm	≤3.0
		1550nm	≤0.22	1300nm	≤1.0	1300nm	≤1.0
Bandwidth	MHz-km			850nm	≥600	850nm	≥200
				1300nm	≥1200	1300nm	≥600
Numerical Aperture	NA	0.200±0.015			0.275±0.015		

Order Information

Fiber Count	Part Number	Application	Cable Diameter (mm)	Weight (kg/km)
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Singlemode 9/125 OS2

2F	GYXTY-OS2-2F	Aerial & Duct	6.2	80
4F	GYXTY-OS2-4F	Aerial & Duct	6.2	80
6F	GYXTY-OS2-6F	Aerial & Duct	6.2	80
8F	GYXTY-OS2-8F	Aerial & Duct	6.2	80
12F	GYXTY-OS2-12F	Aerial & Duct	6.2	80
24F	GYXTY-OS2-24F	Aerial & Duct	6.2	80

Multimode 62.5/125 OM1

2F	GYXTY-OM1-2F	Aerial & Duct	6.2	80
4F	GYXTY-OM1-4F	Aerial & Duct	6.2	80
6F	GYXTY-OM1-6F	Aerial & Duct	6.2	80
8F	GYXTY-OM1-8F	Aerial & Duct	6.2	80
12F	GYXTY-OM1-12F	Aerial & Duct	6.2	80
24F	GYXTY-OM1-24F	Aerial & Duct	6.2	80

Multimode 50/125 OM2

2F	GYXTY-OM2-2F	Aerial & Duct	6.2	80
4F	GYXTY-OM2-4F	Aerial & Duct	6.2	80
6F	GYXTY-OM2-6F	Aerial & Duct	6.2	80
8F	GYXTY-OM2-8F	Aerial & Duct	6.2	80
12F	GYXTY-OM2-12F	Aerial & Duct	6.2	80
24F	GYXTY-OM2-24F	Aerial & Duct	6.2	80



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