



Optical Fiber CABLE

TECHNICAL DATA SHEET

**Double Sheath for Access Network
Drop Cable GJYFXTWY**

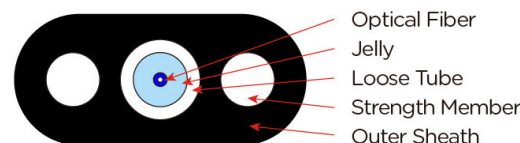


Double Sheath for Access Network Drop Cable

GJYFXTWY

Product Description:

GJYFXTWY Double Sheath for Access Network Drop Cable is a compact outdoor access-network fiber optic cable designed for aerial and duct installation. It uses G.657A1 bend-insensitive optical fiber in a PBT loose tube, reinforced with two parallel FRP strength members and high-tensile yarn, and protected by a black PE outer sheath. The construction provides good tensile and compression performance while maintaining a lightweight and practical cable design.



Features

- Available in 1 / 2 / 4 / 6 / 8 / 12 FO
- G.657A1 bend-insensitive optical fiber
- Two parallel FRP strength members
- High-tensile reinforcement yarn
- PBT loose tube with jelly filling
- Compact and lightweight construction
- Good tensile and compression performance
- Excellent bending performance
- Water-resistant construction
- Black PE outer sheath
- Easy stripping using ripcord
- Suitable for aerial and duct installation
- Suitable for backbone, metropolitan and local network applications

Applications

- Backbone Networks – High-capacity optical communication
- Metropolitan Area Networks (MAN) – City-wide fiber networks
- Long-Distance Trunk Transmission – Long-distance communication links
- Local Network Systems – Local optical communication networks
- Aerial Installation – Outdoor overhead deployment
- Duct Installation – Installation through telecommunications pipelines

General Specifications

Parameter	Specification
Product Name	Double Sheath for Access Network Drop Cable
Model	GJYFXTWY
Fiber Count	1 / 2 / 4 / 6 / 8 / 12 FO
Fiber Type	G.657A1
Cable Structure	Central Optical Communication Unit
Loose Tube	PBT
Loose Tube Structure	Jelly-filled
Strength Member	2 × FRP
Additional Strength	High-tensile yarn
Outer Sheath	PE

Sheath Color	Black
Ripcord	1 × Ripcord
Cable Diameter	6.3 ± 0.3 mm
Cable Weight	36.0 ± 10% kg/km

Optical Fiber Characteristics

Parameter	G.652D	G.657A1	G.657A2	G.657B3
Wavelength	1310/1550 nm	1310/1550 nm	1310/1550 nm	1310/1550 nm
Typical Attenuation (dB/km)	0.35/0.21	0.35/0.21	0.35/0.21	0.35/0.21
Maximum Attenuation (dB/km)	0.40/0.30	0.40/0.30	0.40/0.30	0.40/0.30
Zero Dispersion Slope	≤0.091 ps/km·nm ²	≤0.092 ps/km·nm ²	≤0.092 ps/km·nm ²	≤0.092 ps/km·nm ²
Dispersion (1285–1340 nm)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)	-3.5 to +3.5 ps/(nm·km)
MFD @1310 nm	9.1 ±0.4 μm	8.8 ±0.4 μm	8.8 ±0.4 μm	8.6 ±0.4 μm

Cable Cutoff Wavelength	≤ 1260 nm	≤ 1260 nm	≤ 1260 nm	≤ 1260 nm
Minimum Bend Radius	16 mm	10 mm	7.5 mm	5 mm
Cladding Diameter	125 ± 1.0 μ m	125 ± 1.0 μ m	125 ± 1.0 μ m	125 ± 1.0 μ m

Fiber Color Code

Fiber No.	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Yellow	Violet	White	Red	Grey	Brown	Black	Aqua	Pink