

Outdoor Unitube Lightarmored Fiber Optic Cable GYXTW



Product Code	Description			
3531-70001	Outdoor unitube lightarmored fiber optic cable GYXTW	9/125;50/125; 62.5/125	OM3;OM4	2 - 48 Core

Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. The tube is wrapped with a layer of PSP longitudinally. Between the PSP and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at two sides of the steel tape. The cable is completed with a polyethylene (PE) sheath.

Features and Applications

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure the protection of fiber
- High crush resistance and flexibility
- PSP enhances moisture-proofing
- Two parallel steel wires enhances tensile strength
- Small diameter, light weight and easy installation
- Long delivery length

Standards

3531-70001 fiber optic cable complies with YD/T 769-2003.

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•Optical Characteristics

		G.652	G.655	50/125μm	62.5/125μm
Attenuation (+20°C)	@ 850nm			≤3.0 dB/km	≤3.0 dB/km
	@ 1300nm			≤1.0 dB/km	≤1.0 dB/km
	@ 1310nm	≤0.36 dB/km	≤0.40 dB/km		
	@ 1550nm	≤0.22 dB/km	≤0.23dB/km		
Bandwidth (Class A)	@ 850nm			≥500 MHz • km	≥200 MHz • km
	@ 1300nm			≥1000 MHz • km	≥600 MHz • km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λ_{cc}		≤1260nm	≤1480nm		

•Technical Parameters

Cable Type	Fiber Count	Cable Diameter mm	Cable Weight kg/km	Tensile Strength Long/Short Term N	Crush Resistance Long/Short Term N/100mm	Bending Radius Static /Dynamic mm
GYXS/GYXTW-2~12	2~12	10	105	600/1500		10D/20D
GYXS/GYXTW-2~12	2~12	10.6	124	1000/3000	1000/3000	10D/20D
GYXS/GYXTW-14~24	14~24	12.5	149	1000/3000	1000/3000	10D/20D
GYXS/GYXTW-26~36	26~36	14	190	1000/3000	1000/3000	10D/20D
GYXS/GYXTW-38~48	38~48	15	216	1000/3000	1000/3000	10D/20D

Storage/Operating Temperature : -40°C to + 70°C