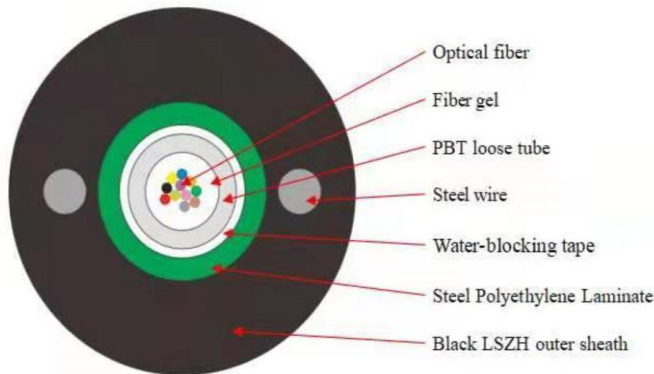




Outdoor Steel Armoured Uni-Tube Fiber Optic Cable LSZH

For 2-24 Core fiber cable Product Structure Diagram



General Description

The fibers, either single mode or multimode type, are positioned in a Uni-tube made of a high modulus plastic (PBT). The tube is filled with a water-resistant filling compound. 2 Parallel steel wire, sheathed with polyethylene (PE) located at the side of the core as a metallic strength member. . A steel tape, with Plastic coating on each side (PSP), is longitudinally applied over the cable core. The cable core is filled with filling compound to protect it from water ingress. The cable is completed with a LSZH sheath.

Application

This cable is suitable for Outdoor Direct Burial, Tunnel and Duct installation in harsh environment. The armouring provides rodent and termite protection and the LSZH Sheath provide retardant

Standards

ISO/IEC 11801, ANSI/TIA/EIA 568.2: 2002, ITU Recommendation G652, G652A/B/C/D. IEC 60332

Characteristics

1. Accurate fiber excess length ensures good mechanical and temperature performance
2. High strength loose tube that is hydrolysis resistant and special tube filling compound ensure a critical protection of fiber
3. Specially designed compact structure is good at preventing loose tube from shrinking
4. Crush resistance and flexibility
5. Steel Tape (PSP) enhances the cable crush resistance, impact resistance and moisture proof
6. 100% cable core filling ensures cable is watertight

Construction

1. Coloured fiber
Coated outside diameter : $125.0 \pm 0.1 \mu\text{m}$
Optical fiber diameter : $242 \pm 7 \mu\text{m}$
UV colour fiber: Standard chromatogram
-Blue, Orange, Green, Brown, Gray/Slate, White, Red, Black, Yellow, Violet, Rose/Pink, Aqua
2. Tube filling compound(Gel)
3. PBT loose tube
4. Steel wire
5. Water-blocking tape
6. Steel Polyethylene Laminate
7. Black LSZH jacket

Outside diameter: $8.0 \pm 0.2 \text{mm}$



Parameters of fiber

Optical Fiber Type	Unit	SM G652	SM G652D	MM 50/125	MM 62.5/125	MM OM3-300
Waveband	nm	1310/1550	1310/1550	850/1300	850/1300	850/1300
Attenuation	dB/km	0.36/0.23	0.36/0.23	3.0/1.0	3.0/1.0	3.0/1.0

Product parameters

Performance	Long-term	Short-term
Max. Tension (N)	100	300
Max. Crushing Resistance(N/100mm)	300	1000
Min. Bending Radius	30D(Dynamic)	15D(Static)
Storage and operating temperature	-40°C - + 70°C	

No. of Fiber	Part Number	Description
	306-5UTAx-YS00	For fiber below 24core
1	306-5UTA04-YS00	4C OM2 MULTIMODE UNITUBE OUTDOOR ARMoured SW STRENGTH MEMBER PE JACKET

- Substitute **xx** : Number of fiber core
- Substitute 306-5UTA with 4XG-5UTA for OM4, 3XG-5UTA for OM3, 306-7UTA for singlemode,
- Available in LSZH Jacket