Armoured Fibre Optic Drop Cable

Indoor|Outdoor Fiber Optic Drop Cable is double jacket 4.8mm outdoor aerial drop fiber Cable. The structure of this fiber optic drop cable is a high flame retardant LSZH double sheath sheathed with a 900μm tight buffered fiber with a buffer layer. The fiber count is 2-12 cores with ITU-T- G652D, G657A fiber and G657B fiber etc. And the Kevlar yarn is requested as reinforcement to enhance tensile resistant.

Application

This fiber cable is applied in Duct, Aerial FTTx, Access installations.

- Used as access building cable in premises distribution system, especially used in indoor or outdoor aerial access cabling.
- Adopted to core network;
- access network, fiber to the home;
- For optical communication equipment room, optical distribution frame optical connection
- For pigtails and jumpers

Features

- Fiber type: ITU-T- G652D, G657A fiber, G657B fiber
- It has good mechanical and environmental performance
- Flame (or not flame retardant) performance to meet the requirements of the standard
- Mechanical and physical properties of the sheath to meet the relevant standards Soft, flexible and convenient
- Small size and light weight, easy for installation
- LSZH sheath ensuring good flame-retardant performance
- Especially applicable to vertical wiring in buildings

Items		description
Optical fiber	Diameter(mm)	0.25+_0.01
Counts		1-24
Colour	1,Blue 2,Orange 3,Green 4,Brown 5,slate 6, White 7,Red 8,Black 9,Yellow 10,Violet 11,Pink 12,Acqua	
Loose Tube	Colour	White

Material		PBT/PC
Infilling		Fiber ointment
Strength member		Steel-wire strength member
Outer Sheath	Diameter	4.8-8mm
	Material	PE
Steel Tape		Required/ corrugated steel tape
	Colour	Black
Net weight		Approx.30kg/km

Optical Characteristics

Optical Characteristics	G.652	G.655	50/125μm	62.5/125μm
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Attenuation (+20℃)	@850nm			≤3.0 dB/km	≤3.3 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	@850nm			≥500 MHz·km	≥200 MHz·km
	@1300nm			≥500 MHz·km	≥500 MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λcc		≤1260nm	≤1450nm		

Technical Parameters

Fiber Count	Fiber Count	Weight(kg/km)	Crush long/short term (N/100mm)	Tensile long/short term (N/100mm)	Bending Radius dynamic/static (mm)
GYXTW 2~12	2~12	82	300/1000	600/1500	10D/20D
GYXTW 2~12	2~12	124	300/1000	1000/3000	10D/20D
GYXTW 12~24	14~24	127	300/1000	1000/3000	10D/20D