

Non-metallic Drop Fibre Optic Cable Cable

Features

- FRP self-supporting
- Excellent mechanical and environmental performance
- Good moisture-resistance
- Aramid yarn for excellent tensile strength
- Low loss, low dispersion
- Proper design and precise excess length control and cabling
- Process offers cable superior mechanical and environmental properties
- Compact construction, light weight, self-supporting installation

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

Core Specifications

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		FRP
		Ripcord
Outer Sheath	Diameter	4.8-8mm
	Material	PE
	Color	Black
Net weight	Approx.30kg/km	

Optical Characteristics

Optical Characteristics		G.652	G.655	50/125 μ m	62.5/125 μ m
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Attenuation (+20°C)	@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	≤ 0.23 dB/km		
Bandwidth	@850nm			≥ 500 MHz·km	≥ 200 MHz·km
	@1300nm			≥ 500 MHz·km	≥ 500 MHz·km
Numerical Aperture				0.200 ± 0.015 NA	0.275 ± 0.015 NA
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1450 nm		

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



