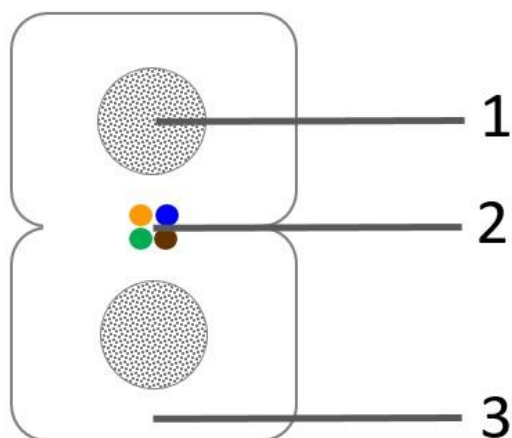


FTTH 2xFRP LSZH

Cable Cross-Section

Cable Structure



1. Strength Members, FRP ROD
2. Optical Fiber
3. Outer Sheath, White LSZH

Features

- Easily strip each unit and easily separate the fiber from the sheath;
- Simple structure, light weight and high practicability;
- Novel flute design easily strip and splice, simplify the installation and maintenance;
- Two parallel FRP strength members ensure good performance of crush and tension resistance to protect the fiber;
- Low smoke, zero halogen and flame retardant sheath.

Cable Specification

Fiber count	1F	2F	4F
Messenger, Steel wire	-		
Strength member, FRP	0.5 mm		
Sheath thickness	≥0.40 mm		
Cable diameter	2.0*5.2(±0.1) mm		
Cable weight	17.5 (kg/km)	18.0 (kg/km)	19.0 (kg/km)
Operating temperature range (°C)	min -50, max +70 (°C)		
Tensile strength	Short term 80N		
	Long term 40N		
Crush resistance	Short term 2000 N/100mm		
	Long term 1000 N/100mm		
Fiber colour	Blue	Blue, Orange	Blue, Orange, Green, Brown

Fiber Characteristics

Fiber Type	Attenuation 1310nm	Attenuation 1550nm	Min. bending radius	Min. bending radius (rip off the messenger wire) dynamic/static
G 657.A2	≤0.35 dB/km	≤0.25 dB/km	120mm	10/25

Mechanical & Environmental Characteristics

Test	Test Standards	Specified Value	Requirements
Tension	IEC 60794-1-2-E1	See Technical data	Additional attenuation: ≤0.4dB after test
Crush	IEC 60794-1-2-E3	See Technical data	Additional attenuation: ≤0.4dB after test
Impact	IEC 60794-1-2-E4	R=300mm, 10Nm, one in 3 different places	Additional attenuation: ≤0.4dB after test
Repeated bending	IEC 60794-1-2-E6	R=30H	Additional attenuation: ≤0.4dB after test
Temperature cycling	IEC 60794-1-2-F1	- 50°C to + 70°C	Additional attenuation: ≤0.4dB after test

*All optical measurements at 1550nm

Packing : Non-returnable wooden or plastic drum, 1 or 2 km length

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