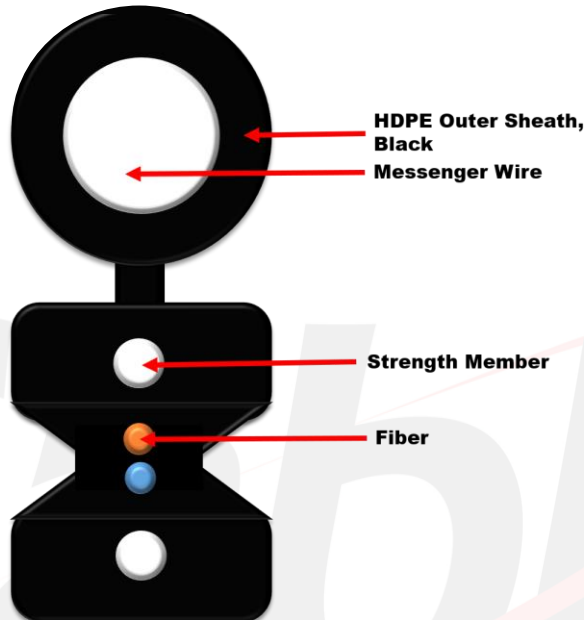


1. Structure Diagram



2. The properties of single mode fiber

Items	Description	
	Before cable	After cable
atten.1310	$\leq 0.35\text{dB/km}$	$\leq 0.36\text{dB/km}$
atten.1383	$\leq 0.35\text{dB/km}$	$\leq 0.36\text{dB/km}$
atten.1550	$\leq 0.21\text{dB/km}$	$\leq 0.22\text{dB/km}$
atten.1625	$\leq 0.23\text{dB/km}$	$\leq 0.24\text{dB/km}$
Cable cut-off wavelength	$\leq 1260\text{ nm}$	
Zero-dispersion wavelength	1300 ~ 1324 nm	
Zero-dispersion slope	$\leq 0.091\text{ ps}/(\text{nm}^2.\text{km})$	
Mode field diameter	@ 1310 nm 8.8~9.6 μm	
Core/Clad concentricity error	$\leq 0.6\mu\text{m}$	
Cladding diameter	125 \pm 1.0 μm	
Cladding non-circularity	$\leq 1.0\%$	
Primary Coating diameter	245 \pm 7 μm	
Macro-bend induced attenuation		
15 mm radius, 1 turn	$\Delta \leq 0.05\text{dB}$ @1550nm	$\Delta \leq 0.05\text{dB}$
25mm radius, 100 turns	@ 1550nm	$\Delta \leq 0.05\text{dB}$
30mm radius , 100 turns	@1625nm	

3. Cable Dimensions and Constructions

Items		Descriptions
Fiber	Fiber type	G657
	Fiber count	1/2/4
	Color	Blue/Orange/Green/Brown
Strength member	Material	KFRP
	Diameter	0.58±0.01mm *2
Messenger Wire	Material	Phosphatized steel wire
	Diameter	1.0±0.02mm
Outer jacket	Material	LSZH
	Color	Black
	Thickness	2 mm ±0.1mm
	Width	5.2 mm ±0.2mm

4. Mechanical and Environmental Characteristics

Items	Descriptions	
Tensile Strength (IEC 60794-1-2 E1)	short-term	600N
	long-term	300N
Crush (IEC 60794-1-2 E3)	short-term	2200N/100mm
	long-term	1000N/100mm
Temperature Range (IEC 60794-1-2 F1)	Storage/Operation	-40°C~+70°C
	Installation	-20°C~+60°C
Bending Radius	Static	10D
	Dynamic	20D

APPLICATIONS

FTTH access network / Telecommunication Networks / CATV Networks / Data communications Networks / Local Area Networks



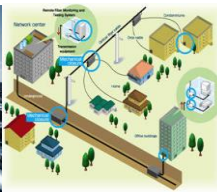
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