



Prostal Limited.

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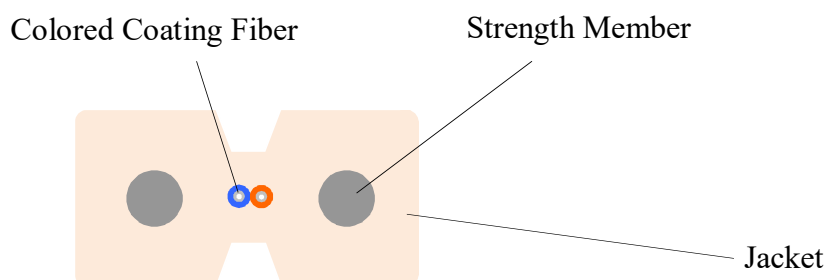
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Optical fiber cable for FTTx application

2-fiber Drop Cable

Profile View



Application

- access building cable
- Indoor cabling, for FTTx

Features

- Good mechanical and environmental characteristics
- Flame retardant characteristics
- Excellent mechanical characteristics
- Soft, flexible, easy to installation

Fiber Parameters

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0±0.4
		1550nm	μm	10.1±0.5
2	Cladding Diameter		μm	124.8±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±5
6	Coating Non-Circularity		%	≤6.0
7	Cladding-Coating Concentricity Error		μm	≤12.0
8	Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
9	Attenuation(max.)	1310nm	dB/km	≤0.4
		1550nm	dB/km	≤0.3
10	Macro-Bending Loss	1turn×10mm radius @1550nm	dB	≤0.75
		1turn×10mm radius @1625nm	dB	≤1.5



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Cable Parameters

Items		Specifications
Fiber Count		2
Colored Coating Fiber	Dimension	250±15μm
	Color	Blue、 Orange
Strength Member	Dimension	0.5mm
	Material	FRP
Jacket	Dimension	3.0±0.1mm×2.0±0.1mm
	Material	LSZH
	Color	Ivory

Mechanical and Environmental Characteristics

Items	Unit	Specifications
Tension (Long Term)	N	40
Tension (Short Term)	N	80
Crush (Long Term)	N/10cm	500
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	30
Min. Bend Radius (Static)	mm	15
Installation Temperature	℃	-20~+60
Operating Temperature	℃	-40~+70
Storage Temperature	℃	-40~+70

Options when ordering

- Fibers: can be various fiber, singlemode, multimode
- Jacket Materials: 94-V0 PVC, LSZH, ZRPO, TPU, etc.
- Jacket color: Black, white, ivory, etc. Please specify.
- Fiber color: Green, yellow, black, white, pure color, etc. Please specify
- Delivery length per reel: 1KM or 2KM, or others.
- Packing instructions: Please provide it when any specified requirement.