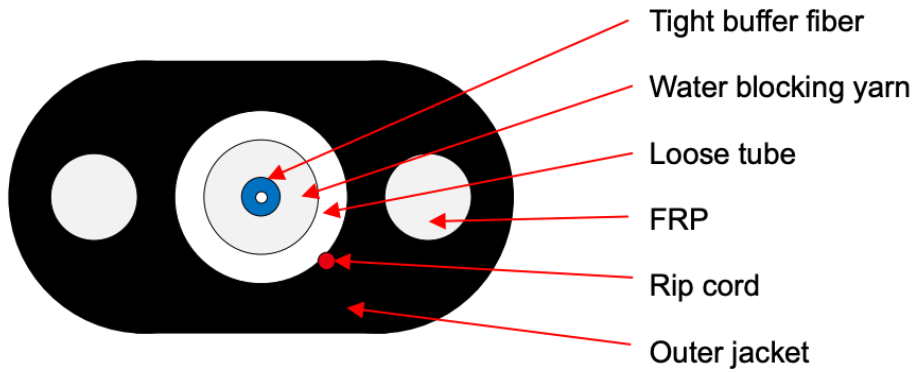


PFFD-1F-X

Non-Toneable Single Fiber Standard Flat Drop - Bulk Fiber



Structure Parameter

Item	Contents	Unit	Specifications
Optical Fiber	Number	/	1
	Color	/	Nature
	Type	/	G657A2
Tight Buffer	Material	/	LSZH
	Color	/	Blue
	Diameter	mm	0.85±0.05
Loose Tube	Material	/	PBT
	Color	/	Nature
	Water Blocking	/	Water blocking yarn
	Diameter	mm	2.0±0.2
Strength Member	Material	/	FRP
	Diameter	mm	1.6±0.1
Outer Jacket	Material	/	HDPE
	Color	/	Black
	Diameter	mm	(4.5±0.3) * (8.0±0.3)
Cable Attenuation	±10%	kg/km	37.4
Cable Attenuation	1310nm	dB/km	≤ 0.4
	1550nm	dB/km	≤ 0.3

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Characteristic of Optical Cable

Max Allowable Tensile (N)	Short term	1200
	Long term	600
Max. Crush Resistance (N/100mm)	Short term	1000
	Long term	300
Min. Bending Radius	Installation	20 x cable diameter
	Operation	10 x cable diameter
Temperature Range	Operation	-20°C ~ +70°C
	Installation	-10°C ~ +60°C
	Storage/Transportation	-20°C ~ +70°C

Optical Fiber Type and Property

Item		Unit	Specifications
			G. 657A2
Mode Field Diameter	1310nm	μm	8.6 ± 0.4
	1550nm	μm	9.6 ± 0.5
Cladding Diameter		μm	125.0 ± 0.7
Cladding Non-Circularity		%	≤0.8
Core Concentricity Error		μm	≤0.5
Coating Diameter		μm	242 ± 7
Coating/Cladding Concentricity Error		μm	≤12
Cable Cut-Off Wavelength		nm	≤1260
Attenuation Coefficient	1310nm	dB/km	≤0.35
	1550nm	dB/km	≤0.21
Macro-Bend Loss (Ø15mm×1)	1550nm	dB	≤0.4
	1625nm	dB	≤0.8

Other parameters meet standard ITU-T G.657

Span Length

Load Conditions	Sag	Span
Light	1.0%	50 m / 165 ft
Middle	1.0%	40 m / 130 ft
Heavy	1.0%	30 m / 100 ft