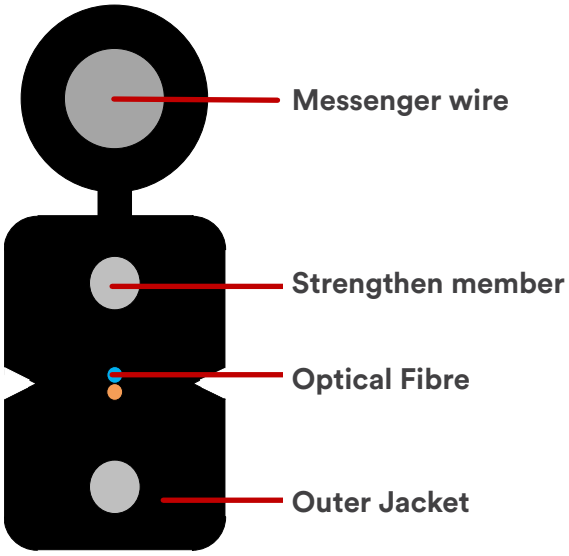
acconet

AC-FIB-CAB-DROP-1



Optical Fiber Type and Properties

Item		Unit	Specification
Fiber Type			G.657A2
Mode field diameter	1310nm	μm	8.6-9.5 ± 0.4
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤1.0
Core/cladding concentricity error		μm	≤0.5
Coating diameter		μm	245±5
Coating/cladding concentricity error		μm	≤12
Cable cut-off wavelength		nm	≤ 1260
Attenuation Coefficient	1310nm	dB/km	≤0.4
	1550nm	dB/km	≤0.3
Macro-bend loss (1 turn,7.5mm radius)	1550nm	dB/km	≤0.5
	1625nm	dB/km	≤1.0
Proof stress level		kpsi	≥100

Dimensions of Cable Constructions

Item		Parameters		
Fiber	Colour	Natural colour	Full colour spectrum	
	Number of cores	1	2	4
Strength member	Material	Phosphating steel wire		
	Diameter	0.4mm		
Messenger wire	Material	Phosphating steel wire		
	Diameter	0.9mm		
Outer jacket	Material	LSZH		
	Colour	Black		
Cable diameter (Rip off the messenger wire)		2.0±0.1mm*3.0±0.1mm		
Min. bending radius	Static	15mm		
	Dynamic	30mm		
Tensile performance	Short term	600N		
Crush	Short term	2200N/100mm		
Cable weight (kg/km)	Number of cores	1	2	4
	Weight (kg/km)	18.1	18.2	18.3