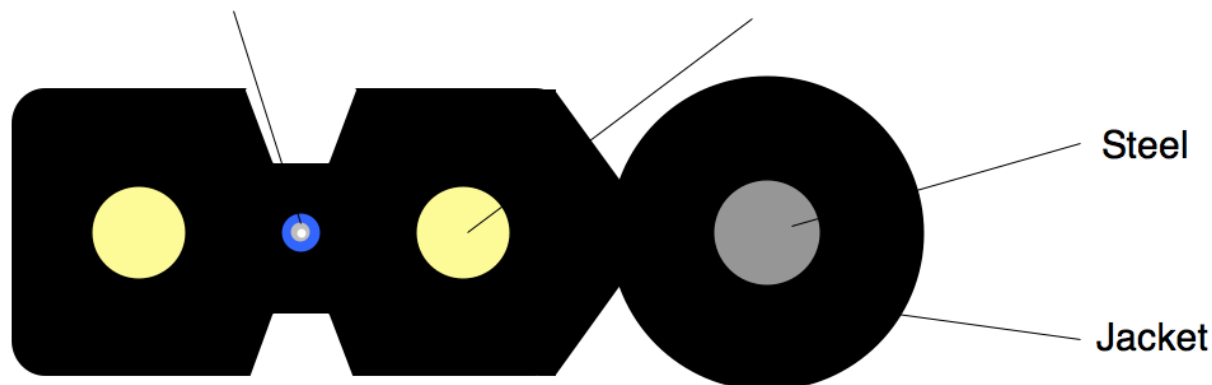


DROP CABLE G.657A2 1 FIBER

Colored Coating Fiber

Strength Member



Fiber Parameters			
Items		Unit	Specifications (G.657A2)
Mode Field Diameter	1310nm	um	8.8 ± 0.4
	1550nm		9.8 ± 0.5
Cladding Diameter		um	124.8 ± 0.7
Cladding Non-Circularity		%	≤0.7
Core-Cladding Concentricity Error		um	≤0.5
Coating Diameter		um	245 ± 5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		um	≤12.0
Cable Cutoff Wavelength		nm	$\lambda_{cc} \leq 1260$
Attenuation	1310nm	dB/km	≤0.4
	1550nm		≤0.3
Macro-Bending Loss	1 turn*7.5mm radius @1550nm (dB)		≤0.5
	1 turn*7.5mm radius @1625nm (dB)		≤1.0

Items		Specifications
Fibers		1
Colored Coating Fiber	Dimensions	250 ± 15um
	Color	Blue
Strength Member	Dimensions	0.5mm
	Material	KFRP
Self Supporting Member	Dimensions	1.2mm
	Material	Steel
Outer Jacket	Dimensions	5.0mm ± 0.2mm * 2.0mm ± 0.1mm
	Material	LSZH
	Color	Black

Mechanical and Environmental Characteristics	
Items	Specifications
Tension in Long term (N)	300
Tension in Short term (N)	600
Crush in Long term (N/10cm)	1000
Crush in Short term (N/10cm)	2200
Min. Bend Radius Dynamic (mm)	30D
Min. Bend Radius Static (mm)	15D
Installation Temperature (C)	-20 ~ +60
Operating Temperature (C)	-40 ~ +70
Storage Temperature (C)	-40 ~ +70

Standards

ITU-T G.650, ITU-T G.652.D, ITU-T G.657 B, IEC 794, IEC 60794-1-20, IEC 60794-1-21, IEC 60794-1-22, EIA/TIA 598, EIA/TIA 455, IEC 60794-1-1