

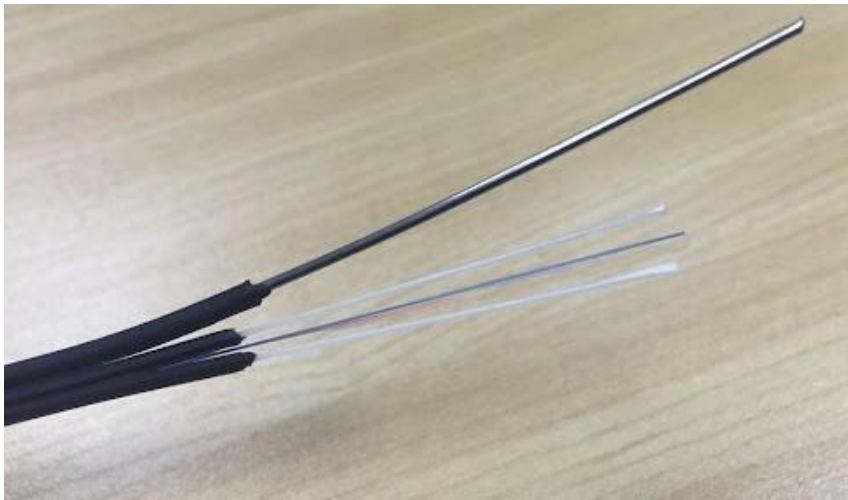
CABLE F.O. GJYXFCH DROP S.M. 1F
G.657A2 C/MENSAJERO KHOMAX



Optical Cable

Ver.2021011902

GJYXFCH

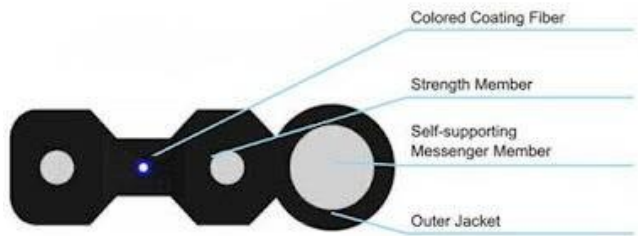


CONSTRUCTION

Structure	Unit	Parameter
Fiber count	#	1
Fiber type	Type	G-657A2
Messenger	Type/mm	Steel wire/1.0 Diameter
Strength Member	Type	FRP
Diameter of Cable	mm	2.0×5.3
Material of Jacket	Type	LSZH
Color of Jacket	Cl	Black
Weight	kg/km	22.5/1.0
Length	km	1

CABLE PROPERTIES

properties		Unit	Parameter
Tensile strength	Long term	N	300
	Short term	N	600
Crush Resistance	Long term	N/100mm	1000
	Short term	N/100mm	2200
Operating Temperature		℃	-20 ~+70
Minimum Bending Radius		mm	15



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FIBER CHARACTERISTICS

Category	Description		Specifications	
			G.657A2	
Optical Specifications	Attenuation	@1310 nm	≤0.4 dB/km	
		@1550 nm	≤0.3 dB/km	
	Attenuation vs. Wavelength	@1288~1339 nm	≤0.05 dB/km	
		@1525~1575 nm	≤0.05 dB/km	
	Zero Dispersion Wavelength(nm)		1300~1324	
	Zero Dispersion Slope		≤0.092 ps/nm ² .km	
	Dispersion	@1310 nm	≤3.5 ps/nm.km	
		@1550 nm	≤18 ps/nm.km	
	Polarization Mode Dispersion(PMD)		≤0.2 ps/km ^{1/2}	
	PMD Link value		≤0.15 ps/km ^{1/2}	
	Cable Cutoff Wavelength(λ _{cc})		≤1260 nm	
	Macro bending Loss	Radius (mm)	15	10
		Number of turns	10	1
		Max. at 1550 nm (dB)	0.25	0.75
		Max. at 1625 nm (dB)	1.0	1.5
	Mode Field Diameter	@1310 nm	9.0±0.3μm	
Dimensional Specifications	Fiber Curl Radius		≥4.0 m	
	Cladding Diameter		125±0.8 μm	
	Mode field Core/clad concentricity		≤0.5 μm	
	Coating Diameter		243±7μm	
	Coating/Cladding Concentricity		≤8 μm	
	Cladding Non-Circularity		≤0.5 %	
Mechanical Specifications	Proof Test		≥1.0 %	
	Peak Coating Strip Force		1.0~8.9 N	
Environmental Specifications	Temperature Cycling Induced Attenuation @1310nm,1550nm,1625nm(-60℃to+85℃)		≤0.05 dB/km	

FIBERS COLOR CODE



Blue

