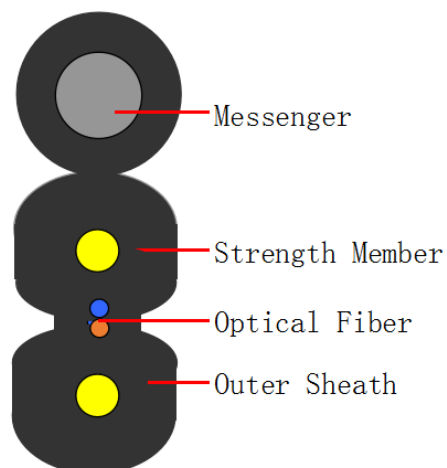


POWER FIBER

CABLE DE FIBRA ÓPTICA

SKU: POWER-DROP-G57A1-1KM-2



Aerial self-supporting (fig-8 Rectangular) fiber drop cable UV-protected 2.0*5.0mm with FRP (GJYXFCH)

Technical data

No. of cable		2	
Fiber Model		G.657A1	
Messenger	Material	Steel Wire	
	Diameter (± 0.03) mm	1.0	
	NO.	1	
Strength Member	Material	FRP	
	Diameter (± 0.03) mm	0.5	
	NO.	2	
Outer Sheath	Material	LSZH Flame Retardant Jacket	
	Colour	Black	
Cable Diameter (± 0.1) mm		5.0×2.0	
Cable Weight (± 2) kg/km		19	
Attenuation	1310nm	dB/km	0.35
	1550nm		0.21
Allowable Tensile Strength	Short Term	N	600
	Long Term		300
Allowable Crush Resistance	Short Term	N/100mm	2200
	Long Term		1000
bending radius	Without Tension	20.0×Cable-φ	
	Under Tension	40.0×Cable-φ	
Temperature	Installation	-20~+60	

range (°C)	Transport&Storage	-40~+70
	Operation	-40~+70

Fibre Color

No.	1	2
Color	Blue	Orange

The properties of optical fiber (ITU-T Rec. G.657A1)

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	8.6±0.4
		1550nm	μm	9.6±0.5
2	Cladding Diameter		μm	125.0±0.7
3	Cladding Non-Circularity		%	≤0.7
4	Core-Cladding Concentricity Error		μm	≤0.5
5	Coating Diameter		μm	245±10
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	≤0.35
		1550nm		≤0.24
10	Macro-Bending Loss	1turn×7.5mm radius @1550nm	dB	≤0.4
		1turn×7.5mm radius @1625nm	dB	≤0.8