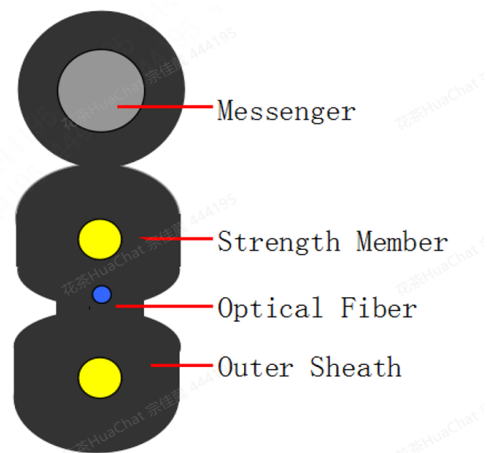


POWER FIBER

CABLE DE FIBRA ÓPTICA

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



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

Technical Specifications

No. of cable			1
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
	Color		Black
Cable Diameter（mm）			$\left(2.0\pm0.1\right)\times\left(5.0\pm0.1\right)$
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 range （℃）	Installation		-20~+60
	Transport & Storage		-40~+70
	Operation		-40~+70

Fiber Color

No.	1
Color	Blue

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 $\times$ 7.5mm radius @1550nm	dB	≤ 0.4
		1turn $\times$ 7.5mm radius @1625nm	dB	≤ 0.8