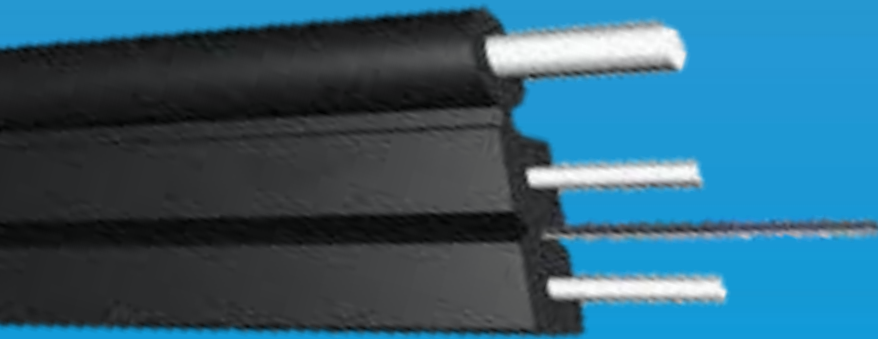
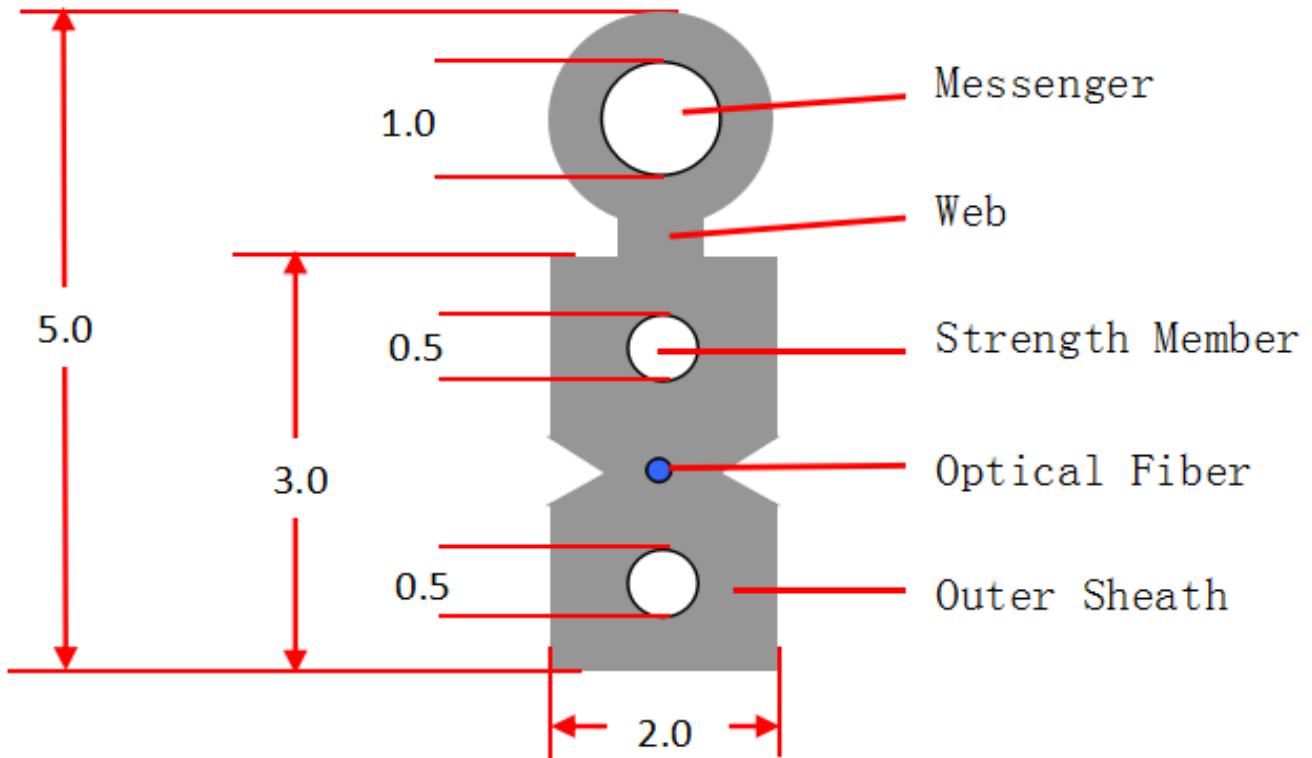


DROP Fiber GJYXFH

COMCAST GROUP



DRAW



Technical data

No. of cable		1/2/4
Fiber Model		G657A1
Strength Member	Material	FRP
	Diameter (± 0.05) mm	0.5
	NO.	2
Support Member	Material	FRP WITH GLUE
	Diameter (± 0.05) mm	1.0
	NO.	1
Outer Sheath	Material	LSZH
Cable Diameter (± 0.1) mm		2.0 \times 5.0
Cable Weight (± 2.0) kg/km		13
Attenuation coefficient (dB/km)	1310nm	≤ 0.35
	1550nm	≤ 0.21
Allowable Tensile Strength (N)	Short Term	440
	Long Term	220
Allowable Crush Resistance(N/100 mm)	Short Term	2200
	Long Term	1000
Min. bending radius(mm)	Without Tension	80mm
	Under Tension	40mm
Temperature range (°C)	Installation	-0~+50
	Transport&Storage	-40~+50
	Operation	-40~+50

Fibre Colours

No.	1	2	3	4
Color	Blue	Orange	Green	Brown

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

No.	Items		Unit	Specification
				G.657A1
1	Mode Field Diameter	1310nm	μm	9.0 ± 0.3
2	Cladding Diameter		μm	125.0 ± 0.5
3	Cladding Non-Circularity		%	≤ 0.5
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	≤ 0.36
		1550nm		≤ 0.25
10	Macro-Bending Loss	1turn \times 7.5mm radius @1550nm	dB	≤ 0.4
		1turn \times 7.5mm radius @1625nm	dB	≤ 0.8

Sheath marking

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of $\pm 1\%$.

- a) Manufacturer's name
- b) Type of wire
- c) Year and month of manufacture
- d) Length marking each meter along the wire

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