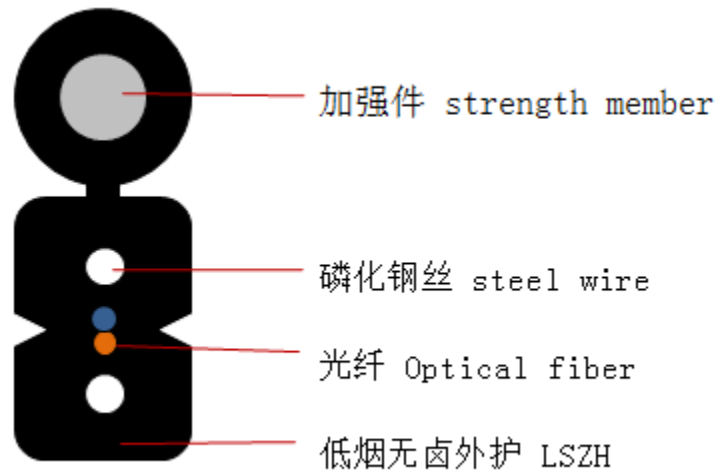




HYTT- Drop Cable Optical Fiber GJYXCH G657A2 Datasheet

1. Optical Cable Type: GJYXCH

2. Cross Section of Cable:



3. Optical Fiber Type and Properties:

Item		Unit	Specification
			G. 657A2
Mode field diameter	1310nm	μm	8.6-9.5 \pm 0.4
Cladding diameter		μm	125.0 \pm 0.7
Cladding non-circularity		%	\leq1.0
Core concentricity error		μm	\leq0.5
Coating diameter		μm	245 \pm 5
Coating/cladding concentricity error		μm	\leq12
Cable cut-off wavelength		nm	\leq 1260
Attenuation Coefficient	1310nm	dB/km	\leq0.36



	1550nm	dB/km	≤0.22
Macro-bend loss (1 turn,7.5mm radius)	1550nm	dB/km	≤0.5
	1625nm	dB/km	≤1.0
Proof stress level			kpsi ≥100

Other parameters meet standard ITU-T G.657

4. Cable Performance

Item		Parameters	
Fiber color	Type	G.657A2	
	Color	Green	
Outer jacket	Material	LSZH	
	Color	Black	
Cable Strength Messenger Wire		Material	Galvanized Steel Wire
		Diameter	1.3mm
Fiber Strength Member		Material	Phosphatized Steel Wire
		Diameter	0.45mm
Optical Cable Diameter		Length	5.2 ±0.2mm
		Width	2.0±0.2mm
Min. bending radius (Rip off the messenger wire)	Static	10mm	
	Dynamic	30mm	
Tensile performance	Short term	660N Fiber strain ≤0.4%	
	Long term	300N Fiber strain ≤0.2%	
Crush	Short term	2200N/100mm	



	Long term	1000N/100mm
Cable attenuation		$\leq 0.36\text{dB/km}$ at 1310nm, $\leq 0.25\text{dB/km}$ at 1550nm
Cable Package		350*300*170 in mm (Height*Width*Inner Diameter)
Coil Dimensions		440 x 300 x 300 mm (WxHxD) Coil 2000 meters
Weight for Coil		46kgs

5. Working condition

Item	Standard	Parameters
Operation temperature	IEC 60794-1-2 F1	-20°C~+70°C
Installation temperature		-5°C~+60°C
Transportation and storage temperature		-20°C~+70°C

设计(Designer): 张洪雷 2016/08/05

审核(Approver): 张桂林 2016/08/05