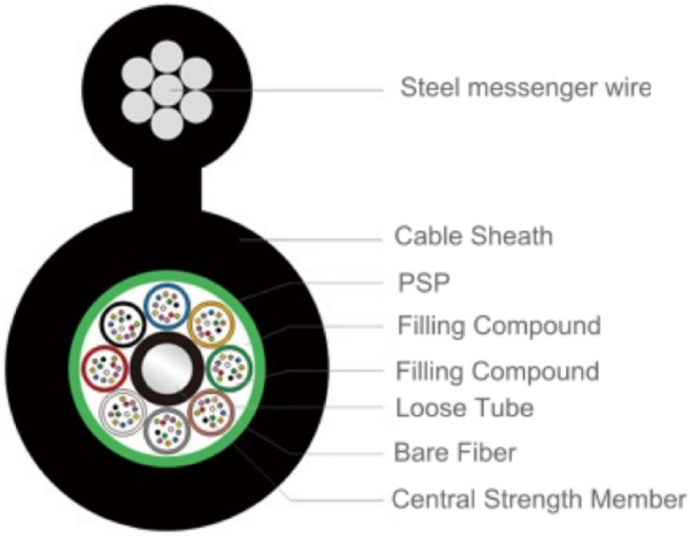
Outdoor Fiber Optical Cable GYTC8S

P/N: FX-OFC-GYTC8S



The GYTC8S outdoor cable is made with figure-8 structure for overhead self-supporting laying, with high tensile strength and low installation cost.

Fiber Parameter

Single Mode Fiber				
	Unit	G.652D	G657A1	G657A2
Cladding Diameter	μm	125±1.0	125±0.7	125±0.7
Cladding non-circularity	%	≤ 1.0	≤ 0.7	≤ 0.7
Core-cladding Concentricity Error	μm	≤ 0.6	≤ 0.5	≤ 0.5
Coating Diameter	μm	245±7	245±5	245±5
Coating non-circularity	%	≤ 6.0	≤ 6.0	≤ 6.0
Cladding-coating concentricity error	μm	≤ 12.0	≤ 12.0	≤ 12.0
Cable Cutoff Wavelength (λcc)	nm	≤ 1260	≤ 1260	≤ 1260

Mode Field Diameter		1310nm	μm	≤ 0.4	≤ 0.4	≤ 0.4
		1550nm	μm	≤ 0.3	≤ 0.3	≤ 0.3
Multimode Fiber						
		Unit	62.5/125	50/125	OM3	OM4
Core Diameter		μm	62.5±2.5	50±2.5	50±2.5	50±2.5
Cladding Diameter		μm	125±1.0	125±1.0	125±1.0	125±1.0
Core Non-circularity		%	≤ 5.0	≤ 5.0	≤ 5.0	≤ 5.0
Cladding Non-circularity		%	≤ 1.0	≤ 1.0	≤ 1.0	≤ 1.0
Core-cladding Concentricity Error		μm	≤ 1.5	≤ 1.5	≤ 1.0	≤ 1.0
Coating Diameter		μm	245±7	245±7	245±7	245±7
Coating Non-circularity		%	≤ 6.0	≤ 6.0	≤ 6.0	≤ 6.0
Cladding-coating Concentricity Error		μm	≤ 12.0	≤ 12.0	≤ 12.0	≤ 12.0
OFL Bandwidth	850nm	MHz·km	≥ 160	≥ 500	≥ 1500	≥ 3500
	1300nm	MHz·km	≥ 500	≥ 500	≥ 500	≥ 500

Color Coding

Bare Fiber	IEC Standard fiber color coding: Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua Note: ① When the optical fibers in each loose tube is less than 12, they will be colored from the first color (blue) in sequence; ② The fiber color coding can be customized

Loose tube	Standard telecom industry color coding: Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua T Mark Color Code: Red/Green (from red to green is the arrangement direction of the loose tube) Note: IEC TR 63194:2019 Annex E.2 is the default color coding standard. Color customization is available too.)

Mechanical & Environmental Characteristics

Fiber Count	Cable OD (mm)	Cable G.W. (kg/km)	Messenger Wire	Tensile Resistance (N) Long/Short Term	Crush Resistance (N/100mm) Long/Short Term	Bending Radius (mm) Static/Dynamic
25~60	9.5*18.3	218	Φ1.0*7 steel	3000/5000	500/1000	15D/30D
72	10.5*19.3	240	Φ1.0*7 steel			
96	12.5*20.3	280	Φ1.0*7 steel			
120	13.5*21.3	320	Φ1.0*7 steel			
144	15.0*24.3	350	Φ1.0*7 steel			