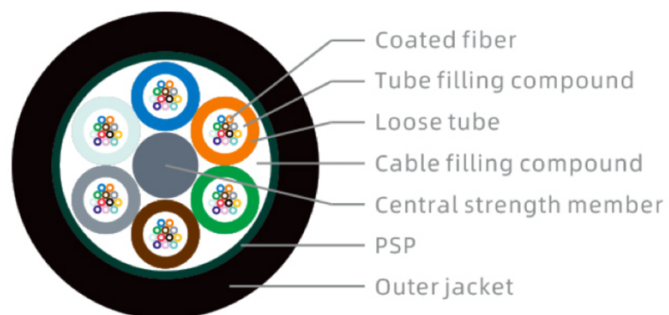


Outdoor Fiber Optical Cable GYTS

P/N: FX-OFC-GYTS



The GYTS cable is to sheath 250µm fiber into PBT loose tube with water-resistant jelly filled. All the PBT tubes (and fillers) are stranded around the central strength member and covered by plastic coated steel tape (PSP) into a compact and round shape. Between the fibers and tubes, the water blocking compound is filled for water resistance. Finally, the cable is completed with a PE sheath.

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 (λ _{cc})	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	<p>IEC Standard fiber color coding:</p> <p>Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua</p> <p>Note:</p> <p>① When the optical fibers in each loose tube is less than 12, they will be colored from the first color (blue) in sequence;</p> <p>② The fiber color coding can be customized</p>
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Loose tube	<p>Standard telecom industry color coding:</p> <p>Blue, orange, green, brown, gray, white, red, black, yellow, purple, pink, aqua</p> <p>T Mark Color Code:</p> <p>Red/Green (from red to green is the arrangement direction of the loose tube)</p> <p>Note:</p> <p>IEC TR 63194:2019 Annex E.2 is the default color coding standard. Color customization is available too.)</p>
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Mechanical & Environmental Characteristics

Fiber Count	Tube	Filler	Cable OD (mm)	Cable G.W. (kg/km)	Tensile Resistance (N) Long/Short Term	Crush Resistance (N/100mm) Long/Short Term	Bending Radius (mm) Static/Dynamic
12	1	4	9.0	100	600/1500	300/1000	10D/20D
24	2	3	9.5	100			
36	3	2	9.5	105			
48	4	1	10.0	120			
60	5	0	10.8	120			
72	6	0	11.9	140			
84	7	1	12.5	160	600/2000		
96	8	0	13.6	190			
108	9	1	14.5	230	600/2500		
120	10	0	14.8	260			
144~216	12	0	19.8	320			
218~288	12	0	20.8	330	1000/3000		