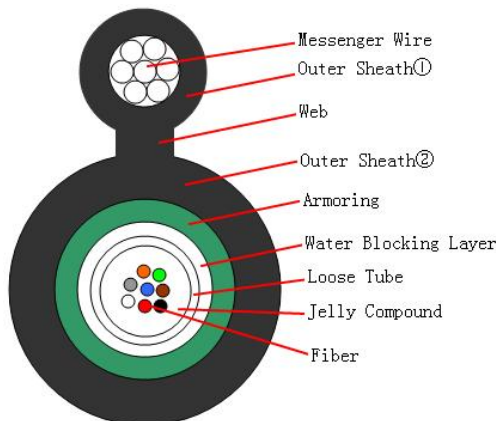




Outdoor Fiber Optical Cable|Wholesales Figure 8 Fiber

Optic Cable SM armored 8 12 24 Core GYXTC8S

Cable Design



Technical data

No. of cable		2-8	12	24
Fiber Model		G.652D		
Loose Tube	Material	PBT		
	Diameter (± 0.1) mm	1.8	2.0	2.8
	Thickness (± 0.05) mm	0.30		
Water Blocking layer (Material)		Water Blocking Tape		
Armoring	Material	Steel Tape		
	Thickness (± 0.03) mm	0.2		
Messenger Wire	Material	Galvanized steel strand		
	Size (± 0.05) mm	2.7mm		
Web	Material	MDPE		
	Size (± 0.1) mm	2.0×3.0		
Outer Sheath①	Material	MDPE		
	Thickness (± 0.1) mm	1.2		
Outer Sheath②	Material	MDPE		
	Thickness (± 0.1) mm	1.5		
Cable Diameter (± 0.5) mm		6.3*12.5	6.5*12.7	7.3*13.5
Cable Weight (± 10) kg		95	96	104
Min. bending radius	Without Tension	10.0×Cable-φ		
	Under Maximum Tension	20.0×Cable-φ		
Temperature range (°C)	Installation	-20~+60		
	Transport&Storage	-40~+70		
	Operation	-40~+70		



Fibre Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua
No.	13	14	15	16	17	18
Color	Blue+P	Orange+P	Green+P	Brown+P	Gray+P	White+P
No.	19	20	21	22	23	24
Color	Red+P	Black+P	Yellow+P	Violet+P	Pink+P	Aqua+P

The properties of single mode optical fiber (ITU-T Rec. G.652.D)

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	≤ 0.35 dB/km ≤ 0.32 dB/km ≤ 0.22 dB/km ≤ 0.30dB/km
Point discontinuity	≤ 0.05 dB
Cable cut-off wavelength	≤ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm ² .km)
Chromatic dispersion @ 1288 ~ 1339 nm @ 1271 ~ 1360 nm @ 1550 nm @ 1625 nm	≤3.5 ps/(nm. km) ≤5.3 ps/(nm. km) ≤18 ps/(nm. km) ≤22 ps/(nm. km)
PMD _Q (Quadrature average*)	≤0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.4 um
Core / Clad concentricity error	≤ 0.5 um
Cladding diameter	125.0 ± 0.7 um
Cladding non-circularity	≤1.0%
Primary coating diameter	245 ± 10 um

Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence 0°C~ +70°C @ 1310 & 1550nm	≤ 0.1 dB/km

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) Type of wire
- b) Year and month of manufacture
- c) Length marking each meter along the wire