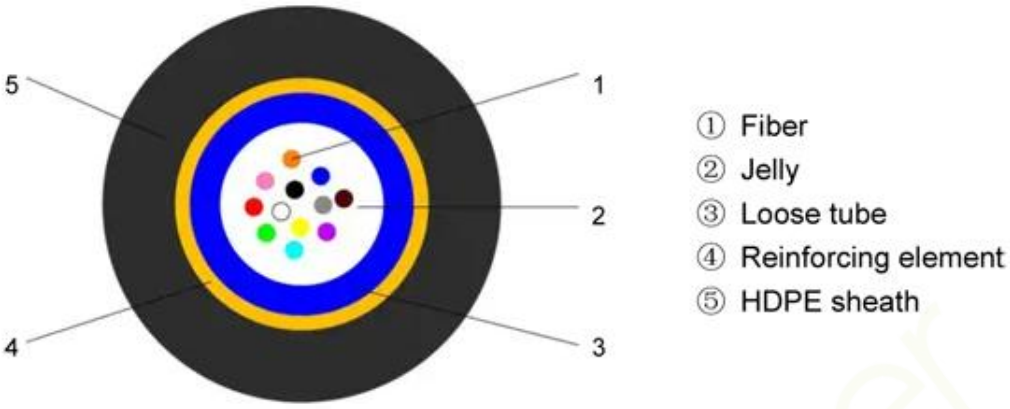
Outdoor Fiber Optical Cable|Air Blowing Micro Cable Non-metal SM Central Loose Tube 4 8 16 Core HDPE

Cable Design



Technical data

No. of cable		2	4	6	8	12	24
Fiber Model		G.652D					
Loose Tube	Material	PBT					
	Diameter（±0.06）mm	2.0					
	The Max.Core NO./Tube	24					
Outer Sheath	Material	HDPE					
	Thickness（±0.2）mm	0.8					
Cable Diameter（±0.2）mm		2.3	2.3	2.3	2.3	2.3	2.6
Cable Wetght		4.5	4.5	4.5	4.5	4.5	6
Min. bending radius	Without Tension	10.0×Cable- ϕ					
	Under Maximum Tension	20.0×Cable- ϕ					
Temperature range（℃）	Installation	-20~+60					
	Transport&Storage	-40~+70					
	Operation	-40~+70					

Fibre Colours

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

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	 ≤ 0.36 dB/km ≤ 0.32 dB/km ≤ 0.22 dB/km ≤ 0.30 dB/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)
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 0oC~ +70oC @ 1310 & 1550nm	≤ 0.1 dB/km

Application:

NO.	Item		Requirement
1	Allowable Tensile Strength	Short Term	0.5G
		Long Term	0.15G
2	Allowable Crush Resistance	Short Term	150 (N/100mm)
		Long Term	450 (N/100mm)

Sheath marking

The color of marking is white, but if the remarking is necessary, the white color marking shall be printed newly on a different position.
An occasional unclear of length marking is permitted if both of the neighboring markings are clear.
The both cable ends are sealed with heat shrinkable end caps to prevent water ingress.