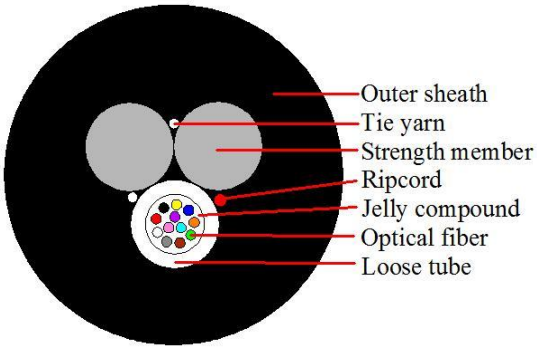
Outdoor Fiber Optical Cable|Mini ADSS Fiber Cable ASU Non-armoured

G652D SM 8 16 Core 50m Pole Span PE

Cable Design



Technical data

No. of cable		2-12	24
Fiber Model		G657A1	
Strength Member	Material	FRP	
	Diameter（±0.05）mm	1.5	
Loose Tube	Material	PBT	
	Diameter（±0.1）mm	2.0	2.8
	Thickness（±0.05）mm	0.32	
Outer Sheath	Material	MDPE	
Cable Diameter（±0.2）mm		6.3	7.0
Cable Weight（±5）kg/km		30	42
Span		50m	
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	

Fiber Colors

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)
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℃~ +70℃ @ 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 whit zero meter. The accuracy of the measurement of lenth marking shall be held within the limits of ±1%.

a) Manufacturer's name
b) Type of wire
c) Year and month of manufacture
d) Length marking each meter along the wire