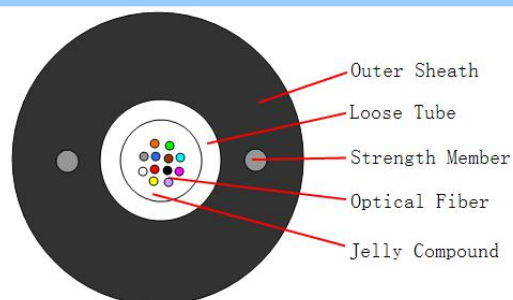




Outdoor Communication Cable(GYXTF)

NO. 20170926-04



Technical data

No. of cable		12
Fiber Model		G.652D
Strength Member	Material	Steel Wire
	Diameter (± 0.05) mm	0.5
Loose Tube	Material	PBT
	Diameter (± 0.06) mm	2.2
	Thickness (± 0.03) mm	0.32
	The Max.Core NO./Tube	12
Outer Sheath	Material	MDPE
	Thickness (± 0.2) mm	1.5
Cable Diameter		5.2
Cable Weight		24
Allowable Tensile Strength	Short Term	400 N
	Long Term	150 N
Allowable Crush Resistance	Short Term	600 (N/100mm)
	Long Term	200 (N/100mm)
Min. bending radius	Without Tension	$10.0 \times \text{Cable- } \phi$
	Under Maximum Tension	$20.0 \times \text{Cable- } \phi$
Temperature range (°C)	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)

Attenuation coefficient	@1310nm	≤ 0.35 dB/km
	@1383nm	≤ 0.30 dB/km
	@1550nm	≤ 0.21 dB/km
	@1625nm	≤ 0.24 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)
PMDQ (Quadrature average*)		≤ 0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm		9.2 ± 0.4 μ m
Core / Clad concentricity error		≤ 0.5 μ m
Cladding diameter		125.0 ± 0.7 μ m
Cladding non-circularity		$\leq 1.0\%$
Primary coating diameter		245 ± 10 μ m
Proof test level		100 kpsi (=0.69 Gpa), 1%

he 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.