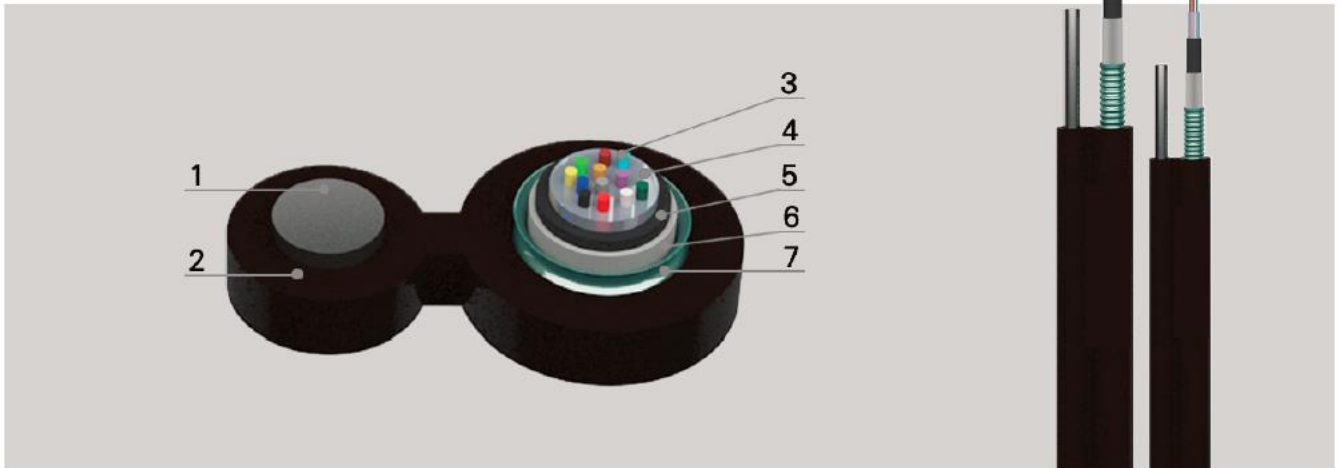


Small Figure-8 Central Tube Armored Cable(GYXTC8S)

Cable Description



1. Messenger Wire :galvanized steel wire
2. Outer Sheath: black polyethylene.
3. Optical Fibre.
4. Tube Filling: suitable water blocking filling compound.

5. Loose Tube: high modulus thermoplastic material.
6. Water Blocking Yarn.
7. Armour: corrugated steel tape.

Features and Applications

- Good mechanical and environmental Performances.
- Small size and light weight, easy for installation.
- Self-supporting aerial installation.



Optical Characteristics

		G.652.D	G.655	50/125 μ m	62.5/125 μ m
Attenuation	@850nm	-	-	≤ 3.0 dB/km	≤ 3.0 dB/km
	@1300nm	-	-	≤ 1.0 dB/km	≤ 1.0 dB/km
	@1310nm	≤ 0.36 dB/km	≤ 0.40 dB/km	-	-
	@1550nm	≤ 0.22 dB/km	≤ 0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥ 500 MHz • km	≥ 200 MHz • km
	@1300nm	-	-	≥ 1000 MHz • km	≥ 600 MHz • km
Polarization mode dispersion	Individual fibre	≤ 0.20 ps/ \sqrt km	≤ 0.20 ps/ \sqrt km	-	-
	Design link value (M=20, Q=0.01%)	≤ 0.1 ps/ \sqrt km	≤ 0.1 ps/ \sqrt km	-	-

Technical Data

Item	Contents	Value					
		Fibre Count					
		2	4	6	12	18	24
Loose Tube	Outer Diameter (mm)	3.0				3.2	
Steel Wire	Material	galvanized steel wire					
	Diameter (mm)	1.6					
Sheath	Thickness (mm)	Nominal:0.8					
Cable Diameter(mm) Approx.		7.0*13.0mm					
Cable Weight(kg/km) Approx.		82					
Operating Temperature Range($^{\circ}$ C)		-40~+70					
Tensile Strength Short/ Long Term(N)		1500/600					
Crush Resistance Short/Long Term(N/100mm)		1000/300					

- * The color arrangement of fibre is specified in the color identification table.
- * Other structure and fibre count are also available according to customer requirements.



Main Mechanical and Environmental Performances

Items	Test Standard	Specified Value	Requirements
Tension	IEC 60794-1-2-E1	See Technical data	Additional attenuation: ≤ 0.1dB after test
Crush	IEC 60794-1-2-E3	See Technical data	Additional attenuation: ≤ 0.1dB after test
Impact	IEC 60794-1-2-E4	R=300mm, 10Nm, one in 3 different places	Additional attenuation: ≤ 0.1dB after test
Repeated Bending	IEC 60794-1-2-E6	R=20*D	Additional attenuation: ≤ 0.1dB after test
Water Penetration	IEC 60794-1-2-F5	Sample length=3m, Water height=1m, 24 hours	No water leakage
Temperature Cycling	IEC 60794-1-2-F1	-40°C ~+70°C	Attenuation change: ≤ 0.05dB/km after test

* All optical measurements at 1550nm.

Packing and Reel Length

Standard wooden drums with protection.

Standard reel length: 2/4 km/reel, other length is also available.