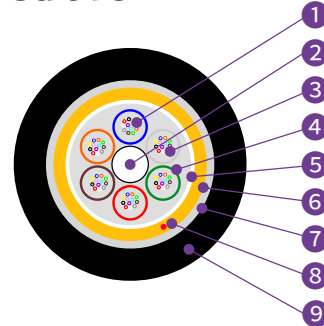




GYFZY-all dry All Dielectric Fire-Resistant Stranded Gel-Free Loose Tube Cable



Features and Applications

- ✓ Totally dry core design, easy for installation and splice. Good flame-retardant and fire resistant performance.
- ✓ Fully comply with IEC 60332-1-2, IEC 60332-3-24, IEC 60331-11/25 (comply 750°C*90Minutes), IEC 60754-1~2, IEC 61034.
- ✓ Suitable for the telecom system in the subway, tunnel and mine.

1. Optical Fiber
2. Central Strength Mlember: glass fibre reinforced plastic rod (GFRP)
3. Water Blocking Material: water blocking yarn.
4. Loose Tube: high modulus thermoplastic material.
5. Longitudinal Water Blocking: water blocking tape.
6. Fire-resistant Layer: mica tape.
7. Non-metallic Strength Member: Fibre glass yarn
8. Ripcord
9. Outer Sheath: black polyethylene.

Optical Characteristics

		G.652.D	G.655	50/125um	62.5/125um
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 fiber	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20, Q=0.01%)	≤0.10 ps/√km	≤0.10 ps/√km	-	-

Technical Data

Item	Contents	Value					
		Fibre Count		12	36	72	96
Loose Tube	No. of tubes*fibres per tube	4x6	3x12	6x12	8x12	12x12	6x24
	Outer diameter (mm)	2.2	2.2	2.2	2.2	2.2	3.0
Central strength member	Material	GFPR					
	Diameter (mm)	2.25	2.25	2.25	2.25	2.6	2.0
	LSZH layer diameter (mm)				3.7	6.7	3.2
Fire-Resistant layer	Fire-Resistant tape	Mica tape					
Peripheral strength member	Non-metallic strength layer	Fibre glass yarn					
Outer Sheath	Thickness (mm)	Nominal:2.5					
Cable diameter(mm) Approx.		12.5	12.5	12.5	13.3	16.4	15.0
Cable weight(kg/km) Approx.		160	160	160	195	257	210
Operating temperature range(°C)		-40~ +70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		2000/800					