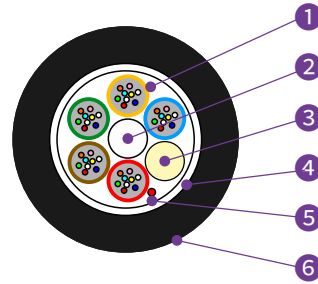




## GYFY Stranded Loose Tube All dielectric Semi-dry Cable



### Features and Applications

- ✓ Non-metallic structure Lighting resistance
- ✓ Duct installation or aerial installation
- ✓ Semi-dry core design, easy for installation and splice

1. Loose Tube: thermoplastic material, containing optical fibers and filled with gel.
2. Central Strength Member: glass fibre reinforced plastic rod (GFRP) coated with PE when needed.
3. Filler Elements: thermoplastic rods.
4. Longitudinal Water Blocking Material: Water blocking tape.
5. Ripcord
6. 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					
		24	48	72	96	144	288
Loose Tube	No. of tubes*fibres per tube	4x6	4x12	6x12	8x12	12x12	24x12
	Outer diameter (mm)	1.9	2.4				
Central strength member	Material	GFRP					
	Diameter (mm)	2.0	2.0	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)					4.2	7.4
Water Blocking Material	Material	Water blocking tape					
Outer Sheath	Thickness (mm)	Nominal:1.8					
	Cable diameter(mm) Approx.	10.0	10.8	11.6	13.2	16.4	18.2
	Cable weight(kg/km) Approx.	85	100	120	155	220	275
	Operating temperature range(°C)	-40~+70					
	Tensile Strength Short/ Long Term(N)	2000/600					
	Crush resistance short/long term (N/100mm)	1000/300					

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