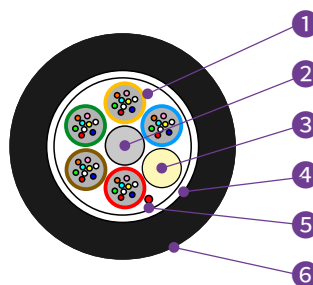




GYG Stranded Loose Tube Non-armored Cable



Features and Applications

- ✓ High tensile strength and semi-dry core design.
- ✓ Specially designed for easy sheath removal.
- ✓ Duct installation or aerial installation.

1. Loose Tube: thermoplastic material, containing optical fibers and filled with gel.
2. Central Strength Member(CSM): phosphate steel wire.
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	12	24	48	72	96	144
Loose Tube	No. of tubes*fibres per tube	2x6	2x12	4x12	6x12	8x12	12x12
	Outer diameter (mm)	1.9	2.1				
Central strength member	Material	Phosphate steel wire					
	Diameter (mm)	1.8				2.0	2.0
	Coated CSM diameter (mm)	2.3				3.5	6.1
Water Blocking Material	Material	Water blocking tape					
Outer Sheath	Thickness (mm)	Nominal:1.6					
Cable diameter(mm) Approx.		9.9	10.4	10.4	10.4	11.5	14.2
Cable weight(kg/km) Approx.		88	88	90	92	120	160
Operating temperature range(°C)		-20~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		2000/600					

- ✓ 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.