

## GYTY

### Optical Fiber Cable Non Armored Stranded Loose Tube Duct 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

### Features and Applications:

High tensile strength and semi-dry core design.

Specially designed for easy sheath removal.

Duct installation or aerial installation.

### 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 fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-

## Technical Data:

Item	Contents		Value				
	Fiber 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(℃)		-20~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistancoe short/long term (N/100mm)		2000/600					

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.