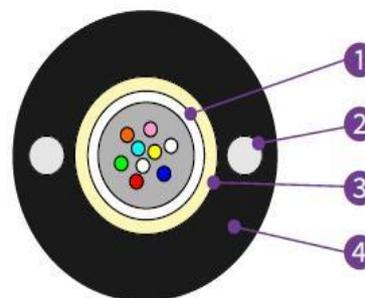


## GYFXY Optical Fiber Cable FRP rods Uni-Tube Duct Installation



1. Loose Tube: thermoplastic material, containing optical fibres and filled with gel.
2. Strength Member: two glass fibre reinforced plasticrods (GFRP).
3. Longitudinal Water Blocking Material: Water blocking yarn.
4. Outer Sheath: black polyethylene.

### Features and Applications:

Small diameter, light weight, easy for transportation and installation.

Duct installation or aerial installation

Lighting resistance

### 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	6	12
Loose Tube	No. of tubes*fibres per tube	1x6	1x12
	Outer diameter (mm)	2.0	
Strength member	Material	GFPR	
	Diameter (mm)	1.0	
water blocking material	Material	Water blocking yarn	
Outer Sheath	Thickness (mm)	Nominal:2.5	
Cable diameter(mm)Approx.		7.5	
Cable weight(kg/km)Approx.		65	
Operating temperature range(°C)		-20~+70	
Tensile Strength Short/ Long Term(N)		2000/600	
Crush resistance 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.