

GYXY Optical Fiber Cable Non Armored Central Tube Duct Installation

The fibers, 250 μ m, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Over the tube, water-blocking material is applied to keep the cable watertight. Two parallel steel wires are placed at the two sides. The cable is completed with a polyethylene (PE) sheath.



Characteristics:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Special tube filling compound ensure a critical protection of fiber
- Two parallel steel wires ensure tensile strength
- PE sheath protects cable from ultraviolet radiation
- Two parallel steel wires ensure tensile strength
- Small diameter, light weight and friendly installation

Optical Characteristics:

		G.652.D	G.655	50/125 μ m	62.5/125 μ m
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
Numerical Aperture		-	-	$0.200 \pm 0.015NA$	$0.275 \pm 0.015NA$
Cable Cut-off Wavelength λ_{cc}		≤ 1260 nm	≤ 1260 nm	-	-

Technical Characteristics:

Cable Type	Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Bending Radius Dynamic/Static (MM)	Tensile Strength Long/Short Term (N)	Crush Resistance Long/Short Term (N/100 mm)
GYXY-2~12	2~12	9.5	90	10D/20D	600/1500	300/1000
GYXY-12~24	12~24	10.2	100	10D/20D	1000/3000	300/1000

Storage/Operating temperature: -40°C to +70°C