

SHG CABLE LTD

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Description

The fibers, 250µm, are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound. Two parallel steel wires are placed at the two sides of the steel tape. 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;
- Crush resistance and flexibility;
- Inexpensive and can reduce operating costs;
- Two parallel steel wires ensure tensile strength;
- Small diameter, light weight and friendly installation;
- Long delivery length.

Optical Characteristics

		G.652	G.655	50/125µm	62.5/125µm
Attenuation	@850nm			≤3.5 dB/km	≤3.5 dB/km
(+20℃)	@1300nm			≤1.5 dB/km	≤1.5 dB/km
	@1310nm	≤0.45 dB/km	≤0.50 dB/km		
	@1550nm	≤0.30 dB/km	≤0.50dB/km		
Bandwidth	@850nm			≥500 MHz·km	≥200 MHz·km
(Class A)	@1300nm			≥1000 MHz·km	≥600 MHz·km
Numerical Aperture				0.200±0.015NA	0.275±0.015NA
Cable Cut-off Wavelength λcc		≤1260nm	≤1480nm		

Technical Parameters

Fiber Count	Cable Diameter (mm)	Cable Weight (kg/km)	Tensile Strength Long/Short Term (N)	Crush Resistance Long/Short Term (N/100mm)	Bending Radius Static/Dynamic (mm)
GYXTPY	1~2	5.6	34	500	500
GYXTPY	3~6	6.0	38	500	500
GYXTPY	7~12	6.5	43	500	500
GYXTPY	1~2	5.6	34	500	500

Storage/Operating Temperature : -40 $^\circ\!\mathrm{C}$ to + 70 $^\circ\!\mathrm{C}$