



Description:

The fibers, 250µm, are positioned in a loose tube made of high modulus plastics. The tube is filled with filling compound. The tube is covered with a layer of glass yarn as strength member. The cable is completed with a PE or LSZH jacket.

Features:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Glass yarn strength member ensure tensile strength
- Crush resistance and flexibility

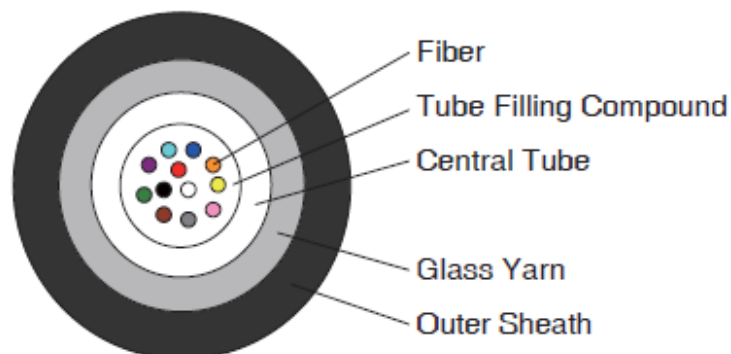
Compliances:

- ITU-T G651 / ITU-T G652D
- ANSI/TIA 568-B.3
- IEC-794
- RoHS

Applications:

- Backbone in LAN's
- Indoor/Outdoor in ducts
- Internal wiring/Fans-out

Drawing:



Note: Drawing is the 12 Fibers cable as example

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Filling Compound	Material	Thixotropic Jelly
Peripheral Strength Member	Material	Glass Yarn
Sheath	Material	PE / LSZH, black
Operating Temperature	-20°C to +60°C	
Storage / Transport Temperature	-20°C to +60°C	
Installation Temperature	-5°C to +50°C	

Mechanical Characteristics:

Fiber Count	Outer Diameter (mm)	Nominal Cable Weight (kg/km)	Crush Resistance N/100mm	Tensile Load		Bend Radius	
				Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
2~12	6.7	55.5	1000	1000	400	10D	20D
14~24	6.7	67.0	1000	1000	400	10D	20D

Note: "D" is cable diameter

Fiber Color Code:

No. of fiber	1	2	3	4	5	6
Color of fiber	Blue	Orange	Green	Brown	Grey	White
No. of fiber	7	8	9	10	11	12
Color of fiber	Red	Black	Yellow	Violet	Pink	Aqua
No. of fiber	13	14	15	16	17	18
Color of fiber	Blue/	Orange/	Green/	Brown/	Grey/	White/
	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer
No. of fiber	19	20	21	22	23	24
Color of fiber	Red/	Neutral/	Yellow/	Violet/	Pink/	Aqua/
	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer	Black Tracer

Optical Performance:

	Wavelength	9/125µm	50/125µm	62.5/125µm	50/125µm (OM3)	50/125µm(OM4)
Max. Attenuation dB/km	850 / 1300nm	--	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2
	1310 / 1550nm	≤ 0.36 / ≤ 0.22	--	--	--	--
Minimum Bandwidth MHz· km	850 / 1300nm	--	500 / 500	200 / 500	1500 /500@LED	3500 /500@LED
					2000 /500@Laser	4700 /500@Laser

Ordering Information:

Part No. 2631xyzzz
 Description Premium Line Fiber Optic Access Building Cable, with glass yarn strength member, Uni-tube
 x, mode 1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3 9: MM/OM4
 y, outer sheath 2: LSZH 3: PE
 zzz, fiber count 002 / 004 / 006 / 008 / 012 / 024

Packing Information:

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m ±1%
3. covered by plastic buffer sheet
4. sealed by strong wooden battens
5. at least 1.1m of inner end of cable should be reserved for testing
6. test protocol at side of the drum

Premium-Line Systems GmbH, Rosenheimer Str.89, D-83064 Raubling, Germany

► TEL: +49(0)8035 9836 0 ► Fax: +49(0)8035 9836 22