



Description:

The 250um fibers are positioned in a loose tube made of PBT plastic. The tubes are filled with water-resistant thixotropic jelly. A steel wire (optional with PE wrapping) locates in the center of the cable as a strength member. The tubes and fillers are stranded around the strength member appear as a compact and circular core. The water blocking compounds are filled around the cable cores to protect from water ingress, and then the corrugated steel tape is longitudinally applied over outside of the tape. The cable is finished with a black PE or LSOH sheath.

Features:

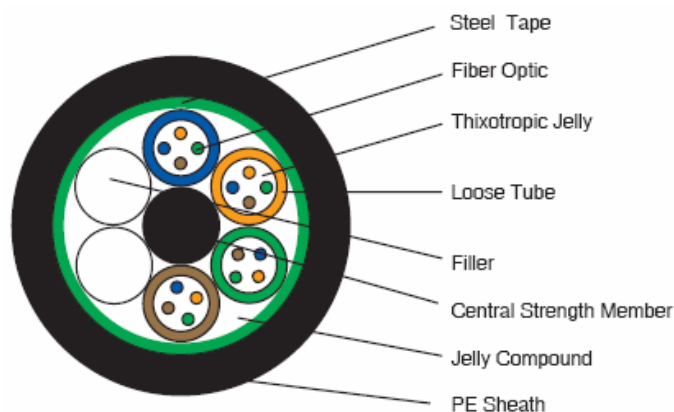
- good mechanical and temperature performance
- good crush resistance and flexibility performance
- compact structure design to prevent loose tube from shrinking
- full rodent protection

Compliances:

- ITU-T G651 / ITU-T G652D
- ANSI/TIA B.3
- IEC-794
- RoHS
- IEC 60332-1 for LSOH sheathed cable

Applications:

- suitable for outside plant environments, aerial or duct installation



Premium Line Systems GmbH reserves the right to change specifications without prior notice.

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Strength Member	Material	Steel Wire
	Material	Corrugated Steel Tape
Moisture Barrier	Material	Jelly Compound
Sheath	Material	PE or LSOH/ black
Operating Temperature	-40°C to +60°C	
Storage / Transport Temperature	-50°C to +70°C	
Installation Temperature	-10°C to +50°C	

Mechanical Characteristics:

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load (N/100mm)	Bend Radius	
			Short Term (N)	Long Term (N)		Static (mm)	Dynamic (mm)
			4	9.5		100	1500
6	9.5	100	1500	600	1000	10D	20D
12	9.5	100	1500	600	1000	10D	20D
24	9.5	100	1500	600	1000	10D	20D
36	10.0	119	3000	1000	1000	10D	20D
48	11.0	136	3000	1000	1000	10D	20D
72	12.0	155	3000	1000	1000	10D	20D
96	13.6	192	3000	1000	1000	10D	20D
144	16.9	277	3000	1000	1000	10D	20D

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

Loose Tube Color Code:

No. of tube	1	2	3	4	5	6
Color of tube	Blue	Orange	Green	Brown	Grey	White
No. of tube	7	8	9	10	11	12
Color of tube	Red	Black	Yellow	Violet	Pink	Aqua

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Optical Performance:

	wavelength	9/125 μm	50/125 μm	62.5/125 μm	50/125μm(OM3)
Max. Attenuation (dB/km)	850 / 1300nm	--	≤ 3.2 / ≤ 1.0	≤ 3.2 / ≤ 1.0	≤ 3.2 / ≤ 1.2
	1310 /1550nm	≤ 0.35 / ≤ 0.22	--	--	--
Minimum Bandwidth MHz • km	850 / 1300nm	--	500 / 500	200 / 500	1500 /500@LED
					2000 / 500@Laser

Ordering Information:

Part No. 2652xyzzz
 Description Fiber optic outdoor cable, multitube, steel armored with central steel wire strength member
 x, mode 1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: OM3
 y, outer sheath 2: LSOH 3: PE
 zzz, fiber count 004/ 006/ 012/ 024/ 036/ 048/ 072/ 096/ 144

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

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