

**Description:**

The 250um fibers are positioned in a loose tube made of PBT plastic. The tubes are filled with water-resistant Thixotropic jelly. Fiber-glass reinforced plastic (FRP) is located in the center of the core as a non-metallic strength member. The tubes and fillers are stranded around the strength member into a compact and circular core, which is surrounded by a water-resistant jelly. The cable is completed with a black PE or LSOH sheath.

Features:

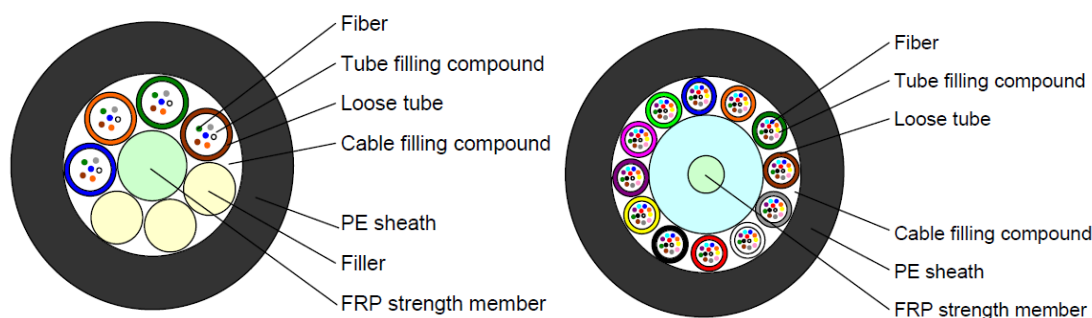
- Good flexible and bend-resistant performance
- Good electromagnetism resistant performance

Compliances:

- ITU-T G651 / ITU-T G652D
- ANSI/TIA 568-C.3
- IEC-794
- RoHS
- IEC 60332

Applications:

- Suitable for aerial, duct and outside plant environments

Drawing:

Note: Drawings are the 24 Fibers and 144 Fibers PE sheath cable as examples

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Strength Member	Material	Fiber-Glass Reinforced Plastic
Moisture Barrier	Material	Jelly compound
Sheath	Material / Color	PE or LSOH / black
Operating Temperature	-40°C to +70°C	
Storage / Transport Temperature	-40°C to +70°C	
Installation Temperature	-40°C to +70°C	

Mechanical Characteristics:

Fiber Count	Tubes	Fillers	Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load	
						Short Term	Long Term	Short Term	Long Term
						(N)	(N)	(N)	(N)
4C	1	6	4	11.0±0.5mm	105	1500	600	1000	300
6C	1	6	6	11.0±0.5mm	105	1500	600	1000	300
8C	2	5	4	11.0±0.5mm	105	1500	600	1000	300
12C	2	5	6	11.0±0.5mm	105	1500	600	1000	300
24C	4	3	6	11.0±0.5mm	105	1500	600	1000	300
36C	6	1	6	11.0±0.5mm	105	1500	600	1000	300
48C	4	2	12	11.7±0.5mm	115	1500	600	1000	300
72C	6	0	12	11.7±0.5mm	115	1500	600	1000	300
96C	8	0	12	13.4±0.5mm	154	1500	600	1000	300
144C	12	0	12	16.1±0.5mm	215	1500	600	1000	300

* Bend Radius: static (10D), dynamic (20D), "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

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	9/125μm	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. 2642xyzzz
Description Fiber optic outdoor cable, multitube, non-metallic with central FRP strength member
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: LSOH 3: PE
zzz, fiber count 004 / 006 / 008 / 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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