

**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. The tube is wrapped with a layer of corrugated steel tape. Between the corrugated steel tape and the loose tube, water-blocking material is applied to keep the cable compact and watertight. Two parallel steel wires are placed at the two sides of the corrugated steel tape. The cable is completed with a PE or LSOH sheath.

Features:

- 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
- Steel tape enhancing moisture-proof
- Two parallel steel wires ensure tensile strength
- Small diameter, light weight and friendly installation

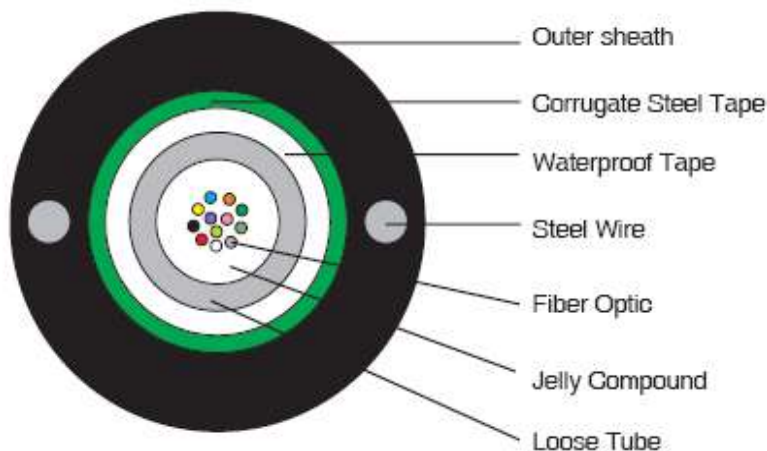
Compliances:

- ITU-T G651 / G652 D
- ANSI/TIA 568-C.3
- IEC-794
- RoHS

Applications:

- Suitable for direct buried, aerial or duct installation

Drawing:



Note: Drawing is the 12 fibers cable as an example

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Peripheral Strength Member	Material	Steel Wire
	Diameter	1.0 mm
Wrapping	Material	Waterproof Tape
Moisture Barrier	Material	Corrugated Steel Tape
Sheath	Material / Color	PE/LSOH, black
Installation Temperature	-40°C to +70°C	
Operation Temperature	-40°C to +70°C	
Storage/Transport Temperature	-40°C to +70°C	

Mechanical Characteristics:

Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load(Min.)		Crush Load		Bend Radius	
			Short term (N)	Long term (N)	Short term (N)	Long term (N)	Static (mm)	Dynamic (mm)
2C	8.7±0.5mm	82	1500	600	1000	300	10D	20D
4C	8.7±0.5mm	82	1500	600	1000	300	10D	20D
6C	8.7±0.5mm	82	1500	600	1000	300	10D	20D
8C	8.7±0.5mm	85	1500	600	1000	300	10D	20D
12C	8.7±0.5mm	90	1500	600	1000	300	10D	20D
16C	11.5±0.5mm	104	1500	600	1000	300	10D	20D
24C	11.5±0.5mm	124	1500	600	1000	300	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/ Black Tracer	Orange/ Black Tracer	Green/ Black Tracer	Brown/ Black Tracer	Grey/ Black Tracer	White/ Black Tracer
No. of fiber	19	20	21	22	23	24
Color of fiber	Red/ Black Tracer	Neutral/ Black Tracer	Yellow/ Black Tracer	Violet/ Black Tracer	Pink/ Black Tracer	Aqua/ Black Tracer

Optical Performance:

	Wavelength	9/125 μm	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. 2671xyzzz
 Description Premium Line fiber optic outdoor cable, steel armored with two parallel steel wires strength, uni-tube
 x, mode 1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3 9: MM/OM4
 y, sheath 2: LSOH 3: MDPE 6: HDPE
 zzz, fiber count 002 / 004 / 006 / 008 / 012 / 016 / 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

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