



**Description:**

The optic fibers are positioned in a loose tube made of PBT plastic. The tube is filled with filling compound to give the fibers excellent water proof performance. The glass yarn between the jacket and the loose tube works as a strength member and for rodent resistance provision. Cable is completed with a black LSOH jacket.

**Features:**

- good mechanical and temperature performance
- low attenuation, high capacity and long distance application
- small diameter, light weight and easy installation

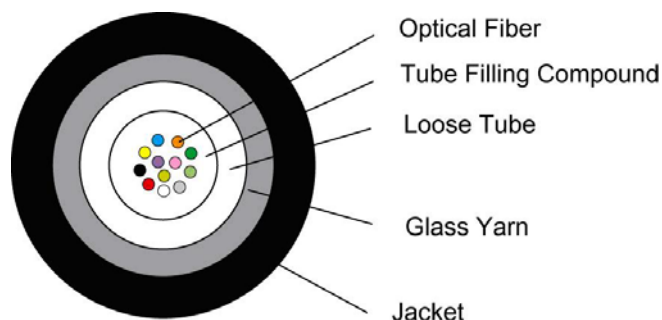
**Compliances:**

- ITU-T G651/ ITU-T G652D
- ANSI/TIA 568-B.3
- IEC-794
- IEC 60332-1-2
- RoHS

**Applications:**

- premises or outside plant condition available, aerial or duct installation

**Drawing:**



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

**Structure & Environmental Characteristics:**

Loose Tube	Material	PBT
Peripheral Strength Member	Material	Glass Yarn
Wrapping	Material	Thixotropic Jelly
Sheath	Material	LSOH / black
Operating Temperature	-20°C to +70°C	
Storage / Transport Temperature	-40°C to +70°C	
Installation Temperature	-10°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)
4	7.5	49	1000	1500	600	10D	20D
6	7.5	49	1000	1500	600	10D	20D
8	7.5	49	1000	1500	600	10D	20D
12	7.5	49	1000	1500	600	10D	20D
24	8.0	52	1000	1500	600	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

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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 / ≤ 1.2	≤ 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
					2000 / 500@Laser

**Ordering Information:**

Part No. 2621x2yyy  
 Description Premium Line fiber optic indoor/outdoor cable, unitube, with glass yarn strength member, LSOH  
 x, mode 1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM OM3  
 yyy, fiber count 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

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