

**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 then wrapped with a layer of PSP longitudinally. The cable is completed with a HDPE or LSOH jacket.

Features:

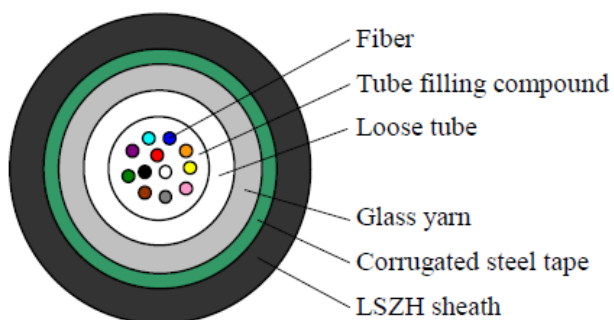
- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Crush resistance and flexibility
- PSP enhancing moisture-proof
- Glass yarn strength member ensure tensile strength
- Small diameter, light weight and friendly installation
- Long delivery length
- Rodent resistance

Compliances:

- ITU-T G651 / ITU-T G652D
- ANSI/TIA 568.3-D
- IEC 60794 / IEC 60793
- RoHS

Applications:

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

Drawing:

Note: Drawing is the 12 Fibers LSOH sheath cable as example

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Filling Compound	Material	Thixotropic Jelly
Peripheral Strength Member	Material	Glass Yarn
Moisture Barrier	Material	Corrugated Steel Tape
Sheath	Material	HDPE / LSOH, 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	HDPE	8.2±0.4mm	76	1000	1000	400	10D	20D
	LSOH	9.3±0.4mm	110					
14~24	HDPE	9.2±0.4mm	88	1000	1000	400	10D	20D
	LSOH	10.6±0.4mm	134					

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. 2651xyzzz

Description Fiber Optic Access Building Cable, with glass yarn strength member,
steel armored, 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: LSOH 3: 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.*