



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 **anti-UV black LSOH jacket** for protection to joint parts where cable expose to direct sunshine

Features:

- good mechanical and temperature performance
- small diameter, light weight and easy installation

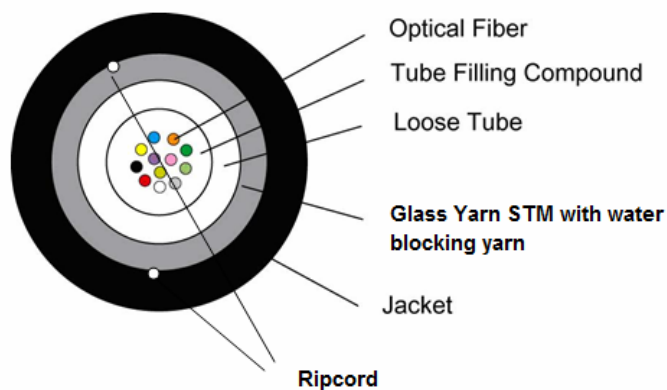
Compliances:

- ITU-T G652D
- ANSI/TIA 568-B.3
- IEC-794
- **IEC 60332-1 anti-fire for indoor backbone cabling**
- RoHS

Applications:

- premises backbone, outside plant cabling, aerial, trench or duct installation

Drawing: (showing 12cores as an example)



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 with water blocking yarn
Wrapping	Material	Thixotropic Jelly
Sheath	Material	LSOH / black
Operating Temperature	-30°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/10cm	Tensile Load		Bend Radius	
				Short Term (N)	Long Term (N)	Static (mm)	Dynamic (mm)
24	8.0	52	1000	1500	600	10D	20D

Note: "D" is cable diameter

Fiber Color Code: (Comply to EIA598-A Fiber Color Chart)

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

Cabled Optical Performance: (OS2 Cable Comply to IEC 60793-2-50, B1.3)

	Wavelength	9/125 μm
Max. Attenuation (dB/km)	1310 /1550nm	≤ 0.36 / ≤ 0.22

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Ordering Information:

Part No.	262022024 2012_C10
Description	Premium Line fiber optic indoor/outdoor cable, unitube, with glass yarn strength member, SM 9/125, 24Cores, LSOH, Black

Packing Information:

1. cable be wound on an iron stand-wooden composite
2. standard drum length is 2000m \pm 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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