Fiber Optic Access Building Dielectric Armoured multi-tube cable with glass yarn

Part No. 2632xyzzz **Ver. 2401** **Product Specification**

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 cable core as a non-metallic strength member. The tubes and fillers are stranded around the strength member into a compact and circular cable core, which is surrounded by a water-resistant jelly. The glass yarn is longitudinally applied over the cable core as a peripheral strength elements and non metallic armour. The cable is completed with a black PE or LSOH sheath.

Features:

- Good mechanical and temperature performance
- High strength loose tube that is hydrolysis resistant
- Glass yarn strength elements ensure tensile strength
- Crush resistance and flexibility
- Rodent resistance

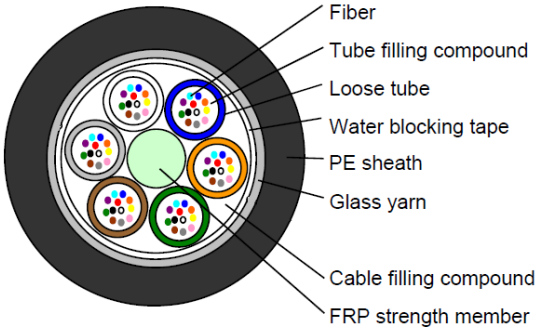
Compliances:

- ITU-T G651 / ITU-T G652D / ITU-T G657A1
- ANSI/TIA 568.3-D
- IEC-60794
- RoHS

Applications:

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

Drawing:



Note: Drawings are the 72 Fibers PE sheath cable as examples

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

Structure & Environmental Characteristics:

Loose Tube	Material	PBT
Filling Compound	Material	Thixotropic Jelly
Central Strength Member	Material	Fiber-Glass Reinforced Plastic
Peripheral Strength Elements	Material	Glass Yarn
Sheath	Material, Color	PE / LSOH, black
Operating Temperature	-20ºC to +60ºC	
Storage / Transport Temperature	-20ºC to +60ºC	
Installation Temperature	-5ºC to +50ºC	

Mechanical Characteristics:

Fiber Count	Tubes	Fillers	Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load	
						Short Term (N)	Long Term (N)	Short Term (N)	Long Term (N)
12C	2	4	6	11.6±0.5mm	135	1500	600	1000	300
24C	4	2	6	11.6±0.5mm	135	1500	600	1000	300
48C	4	2	12	12.0±0.5mm	140	1500	600	1000	300
72C	6	0	12	12.0±0.5mm	140	1500	600	1000	300
96C	8	0	12	13.2±0.5mm	160	1500	600	1000	300
144C	12	0	12	15.0±0.5mm	200	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

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	--	--	--	--
Minimium 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.	2632xyzzz
Description	Fiber Optic Access Building Dielectric Armoured Multi-tube Cable, with glass yarn
x, mode	0: G657A1 1: MM 62.5/125 2: G652D 3: MM 50/125 4: MM/OM3 9: MM/OM4
y, outer sheath	2: LSOH 3: PE
zzz, fiber count	012 / 024 / 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

Premium-Line Systems GmbH, Rosenheimer Str.89, D-83064 Raubling, Germany

► TEL: +49(0)8035 9836 0 ► Fax: +49(0)8035 9836 22