

Specification



Description:

This optic fibers are positioned in a loose tube made of a high modulus plastic. The tube is filled with a water resistant filling compound. The tube is wrapped with a layer of steel tape. Between the 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 steel tape. The cable is completed with a PE or LSOH sheath.

Features:

- Good mechanical and temperature performance
- Good crush resistance and flexibility performance
- Good rodent protection
- Small diameter, light weight and easy installation

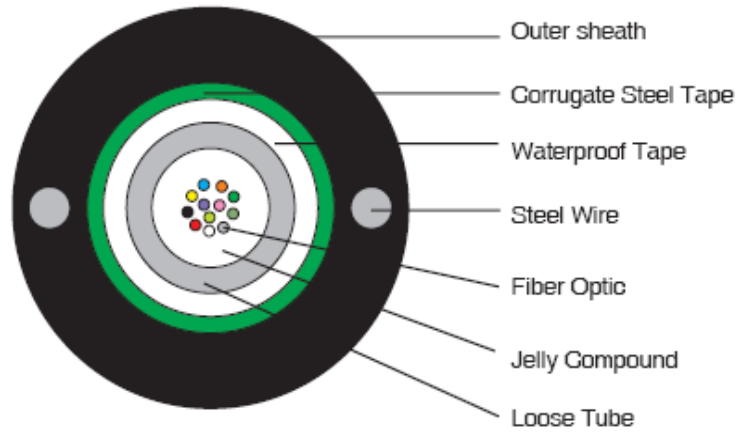
Compliances:

- ITU-T G651/G652 D, OM2, OM3, OM4
- ANSI/TIA 568-B.3
- IEC-794
- RoHS

Applications:

- Suitable for aerial and duct installation
- Outside plant environments

Drawing:



Environmental Characteristics:

Loose Tube	Material	PBT
Peripheral Strength Member	Material	Steel Wire
	Diameter	1.0 mm
Wrapping	Material	Waterproof Tape
Moisture Barrier	Material	Steel Tape
Sheath	Material / Color	PE / LSOH black
Installation Temperature	-10°C to +50°C	
Operation Temperature	-40°C to +60°C	
Storage/Transport Temperature	-50°C to +70°C	

Mechanical Characteristics:

Fiber Count	Outside Diameter (mm)	Loose Tube Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
				Short term (N)	Long term (N)	Short term (N)	Long term (N)	Static (mm)	Dynamic (mm)
4	7.6	2.4	71	1500	600	1000	300	10D	20D
6	7.6	2.4	71	1500	600	1000	300	10D	20D
8	7.6	2.8	80	1500	600	1000	300	10D	20D
12	7.6	2.8	80	1500	600	1000	300	10D	20D
24	8.5	3.6	90	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	50/125 μm	62.5/125 μm	50/125μm (OM3&4)
Max. Attenuation dB/km	850 / 1300nm	--	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2	≤ 3.2 / ≤ 1.2
	1310 / 1550nm	≤ 0.30 / ≤ 0.17	--	--	--
Minimum Bandwidth MHz · km	850 / 1300nm	--	500 / >1000	200 / 500	1500 / 500 @ LED
					2000 / 500 @ Laser

Ordering information:

Part No. GM-U-CST-FO- X-YYY

Description fiber optic outdoor cable, unitube, steel armored with two strength member, PE/LSOH

X mode 1: MM 62.5/125 2: SM 9/125 3: MM 50/125 4: MM/OM3

YYY, fiber count 002 / 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