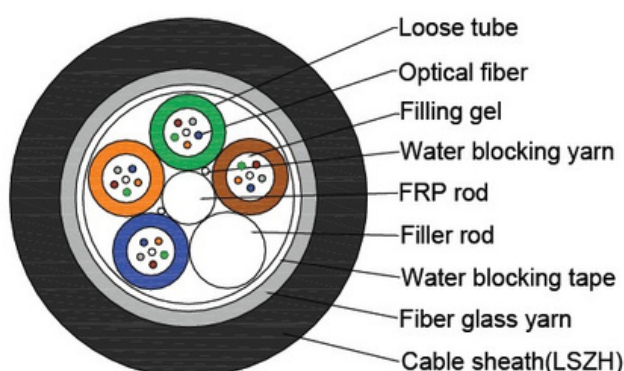


FIBRA ÓPTICA GYFTZY-12A1B OM1 12 HILOS MULTIMODO LSZH

1.- Cable Structure

MM OM1 62.5/125UM
Anti-roedor



CABLE STRUCTURE AND PARAMETERS:

Physical Parameters	Fiber Count	12
	Fiber Type	MM OM1 62.5/125UM
	Cable Outer Diameter(O.D.)	7.8mm
	Cable Weight	80KG/KM
	Outer LSZH Jacket Thickness	1.3mm
	Operating temperature range	-10°C to +40°C
	Storage / Transport temperature range	-30°C to +60°C
	Installation temperature range	-10°C to +40°C
Mechanical Parameters	Tensile Strength(Short Term)	1200N
	Tensile Strength(Long Term)	800N
	Crush Resistance	1000N/100mm
	Bending Radius(Short Term)	20×O.D.
	Bending Radius(Long Term)	10×O.D.

Notes:

- 1.The nominal sheath thickness may vary by ± 0.2 mm.
- 2.The nominal outer diameter and weight may vary by ± 0.2 mm.

- 12A1B MM OM1 62.5/125UM is 12 Fiber
- Mark on cable in each meter.
- The color of marking is white

2.- Color Code of Optical Fiber

1. - Fiber Color Arrangement

Fiber No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Grey	White
Fiber No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

2.- Loose Tube(LT) and Filler Rod(FR) Color Arrangement

Tube No.	1	2	3	4	5	6
Color	Blue (LT)	FR	FR	FR	FR	FR

3.- Standard and Test

NO.	ITEM	TEST METHOD	ACCEPTANCE REQUIREMENTS
1	Tensile Strength IEC 794-1-E1	- Load: 1, 200 N (short term) 900 N (long term) - Length of cable under load: 50m - Load time: 5 min	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
2	Crush Test IEC 60794-1-E3	- Load: 1, 000 N/100mm - Load time: ≥1min	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
3	Impact Test IEC 60794-1-E4	- Points of impact: 5 - Times of per point: 5 - Impact energy: 3.0 Nm - Radius of hammer head: 12.5mm - Impact rate: 2sec/cycle	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
4	Repeated Bending IEC 60794-1-E6	- Bending Dia.: 20 x OD - Load: 150 N - Flexing rate: 3sec/cycle - No. of cycle: 30	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
5	Torsion IEC 60794-1-E7	- Length: 1m - Load: 150 N - Twist rate: 1min/cycle - Twist angle: ±180° - No. of cycle: 10	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
6	Water Penetration IEC 60794-1-F5B	- Height of water: 1m - Sample length: 3 m - Time: 24 hour	- No water shall have leaked from the opposite end of cable
7	Temperature Cycling IEC 60794-1-F1	- Temperature step: +20°C → -5°C → +35°C → +20°C - Time per each step: 12 hrs - Number of cycle: 2	- Loss change 0.1 dB @1550 nm - No fiber break and no sheath damage.
8	Compound Flow IEC 60794-1-E14	- Sample length: 30 cm - Temp: 70°C ±2°C - Time: 24 hours	- No compound flow

4.-Packing and Marking

5.1 Packing

5.1.1 Each single length of cable shall be reeled on Fumigated Wooden Drum suitable for long distance shipment.

5.1.2 Covered by plastic buffer sheet.

5.1.3 Sealed by strong wooden battens.

5.1.4 At least 1 m of inside end of cable will be reserved for testing.

5.1.5 Drum length

5.1.5.1 Standard drum length is $4000\text{m} \pm 1\%$;

5.1.5.2 Single length not less than 90% of standard length per drum shall be permitted for quantity not exceeding 10% of the total supply;

5.1.5.3 Total quantity is at least the ordered quantity.

5.2. Drum Marking

5.2.1 Cable drum

- Manufacturer brand;

- Roll-direction arrow;

- Cable outer end position indicating arrow;

- The word "OPTICAL FIBER CABLE";

- Origin, The word "MADE IN CHINA";

- Caution plate indicating the correct method for loading, unloading and convey the cable;

- Other customer information such as contract no., project no., and delivery destination. (if needed)

5.2.2 Marking plate -Product name;

- Cable type and size; -Drum length;

- Gross / Net weight in kilograms;

- Drum number in meters;

- Manufacturer's name;

- Manufacturing year and month;

- Project number, contract number or purchasing order number (if needed).

5.3 Cable quality certificate documents

- Test report.