

Cavo Technology

FIBER OPTIC CABLE ARMORED, LSZH

FEATURES

- High strength aramid yarn strength member ensures high tensile strength and long term stability in transmission
- Small outer diameter, light weight, flame-retardant, easy to strip, low attenuation, highly soft
- Direct splicing between tight buffered cables and need no tie-in box or pigtail
- Suitable for installation, operation and convenient for maintenance



APPLICATION

- As building to building connecting cable
- As indoor soft cable along the wall, ceiling, between layers and in conduits
- As pigtails, movable connectors and patch cords for communication equipment

SPECIFICATION

| FIBER COUNT | NOMINAL OUTER DIAMETER | NOMINAL WEIGHT | MIN. BEND RADIUS | | MAX. TENSILE STRENGTH | | MAX. CRUSH RESISTANCE |
|-------------|------------------------|----------------|------------------|-----------|-----------------------|-----------|-----------------------|
| | | | LOADED | INSTALLED | SHORT TERM | LONG TERM | |
| | mm | kg/km | mm | mm | N | N | N/100mm ² |
| 1 | 1.6 | 2.9 | 20D | 10D | 80 | 40 | 500 |
| 1 | 1.8 | 3.2 | 20D | 10D | 80 | 40 | 500 |
| 1 | 2.0 | 3.5 | 20D | 10D | 100 | 60 | 500 |
| 1 | 2.4 | 5.0 | 20D | 10D | 100 | 60 | 500 |
| 1 | 3.0 | 6.8 | 20D | 10D | 150 | 80 | 500 |

FIBER CHARACTERISTICS

| FIBER STYLE | CONDITION | ATTENUATION | DISPERSION | | BANDWIDTH | |
|-------------|-----------|-------------|------------|-----|-----------|------|
| | | dB/km | ps(nm·km) | | MHz·km | |
| SM G652D | 1310/1550 | 0.45/1.0 | ≤18 | ≤22 | | |
| MM 50/125 | 850/1300 | 3.0/1.0 | --- | --- | ≥300 | ≥300 |
| MM62.5/125 | 850/1300 | 3.0/1.0 | --- | --- | ≥200 | ≥300 |
| MM Om3 300 | 850/1300 | 3.0/1.0 | --- | --- | ≥1500 | ≥500 |

ENVIRONMENTAL CHARACTERISTICS

| ITEM | CHARACTERISTICS |
|-----------------------|-----------------|
| Operation Temperature | -20°C~+70°C |
| Storage Temperature | -40°C~+85°C |

Ordering Information

1. Cable type: SM or MM (Single-mode: yellow; Multi-mode: orange; options available for other colours)
2. Fiber Type: SM (G652D, G655C, G657A1, G657A2, G657B3) MM (OM1, OM2, OM3, OM4)
3. Outer Diameter of cable: 3.0mm
4. Cable length: 2000M / Drum (Customized, MOQ=2000M)
5. Cable Jacket: PVC, LSZH, OFNR, OFNP
6. Part Number : CV-TBAXXYZLS XX = Cores YY = SM/MM Z = 5(50um)/6(62.5um)/9(9um)

NOTES

- Single-mode cable: yellow; multi-mode cable: orange; options available for other colors LSZH of flame-retardant materials upon request