

MTX-500-24/OM4 Tight Buffer 900µ

Part Number: F30242420Z

- Applications:** Centralized Cabling, Direct termination, Distribution to Riser cabling, General purpose indoor/outdoor LAN, Short and Medium distance distribution and trunking
- General Construction:** The cable contains 24 MM OM4 50/125/250 µm color coded optical fibers each with a 0.9 mm tight buffer. These buffered fibers are stranded in two layers around a flexible dielectric central strength member. The cable core is reinforced by aramid strength yarns and protected with a jacket.
- Outer Jacket Material:** FRNC-LSZH
- Outer Diameter:** 8 mm nom.
- Weight:** 66 kg/km



Design & Materials

| | |
|---------------------------------|--|
| Buffer Material: | HFFR |
| Buffer Diameter: | 900 µm |
| Color Code: | Per TIA/EIA 598-C |
| Central Strength Member: | Flexible Yarns |
| Strength Elements: | Aramid Yarns |
| Number of fibers: | 24 |
| Waterblocking: | Dry Waterblocking |
| Rip-Cord: | Yes |
| Outer Jacket Color: | Turquoise |
| Marking: | TELDOR FIBER OPTIC CABLE MTX-500-24/OM4 [Batch no.] [Lenght] |

Standards

| | |
|------------------------------|---|
| Applicable Standards: | IEC 60794, IEC 60794-1-21/22, ISO/IEC 11801-1 |
| Flammability Rating: | EN 61034-2, IEC 60332, IEC 60332-1, IEC 60332-3 , IEC 60754-2, IEC 60754-1/2, IEC 61034, IEC 61034-1/2, EN 50575:2014 Dcas2d2a1 (CPR) |
| Installation: | Guidelines as per IEC TR 62691 |

Performance

| | |
|---|---------------|
| Max. Installation Tensile Load : | 1800 N max. |
| Max. fiber strain at MIT: | 0.6 % |
| Max. Residual Tension (MRS) : | 540 N max. |
| Max. Fiber Strain at MRS.: | 0.2 % |
| Impact Resistance: | 10 N*m |
| Impact Resistance: | 3 cycles |
| Max. Crush Resistance: | 3000 N/100 mm |
| Min. Bend Radius for Installation: | 20xD mm |
| Min. Bend Radius for Operation: | 10xD mm |
| Repeated Bending: | 300 cycles |
| Torsion (L=125 x d): | 10 cycles |
| Max. Operating Temperature: | +70 °C |
| Min. Operating Temperature: | -20 °C |
| Max. Installation Temperature: | +70 °C |
| Min. Installation Temperature: | -20 °C |
| Max. Storage Temperature: | +70 °C |
| Min. Storage Temperature: | -20 °C |
| UV Resistance: | Yes |
| Waterblocking: | Yes |