

## MTX 24-fiber Indoor/Outdoor Distrubution Cable

**Part Number:** MTX-(fiber type)-(fiber count) for ex MTX-090-24 (singelmode)

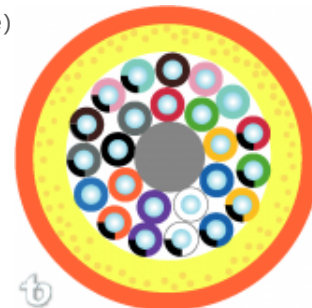
**Applications:** Centralized Cabling, Short and Medium distance distribution and trunking, General purpose indoor/outdoor LAN, Distribution to Riser cabling, Direct termination

**General Construction:** The cable contains 24 color coded optical fibers each with a 0.9 mm buffer stranded in two layers around a flexible dielectric central strength member. The cable is reinforced by aramid strength yarns and protected with a jacket.

**Outer Jacket Material:** FR-LSZH

**Outer Diameter:** 8.0 mm nom.

**Weight:** 75 kg/km



### Design & Materials

|                                 |                            |
|---------------------------------|----------------------------|
| <b>Buffer Material:</b>         | FR-LSZH                    |
| <b>Buffer Diameter:</b>         | 900 $\times$ m             |
| <b>Central Strength Member:</b> | Flexible Yarns             |
| <b>Waterblocking:</b>           | Dry Waterblocking          |
| <b>Outer Jacket Color:</b>      | Green                      |
| <b>Marking:</b>                 | Part no. Lenght, Batch no. |

### Standards

|                            |             |
|----------------------------|-------------|
| <b>Standards:</b>          | IEC 60794   |
| <b>Flamability Rating:</b> | IEC 60332-1 |

### Performance

|                                            |            |
|--------------------------------------------|------------|
| <b>Max. Tensile Strength - Short Term:</b> | 1500 N     |
| <b>Max. Tensile Strength - Long Term:</b>  | 900 N      |
| <b>Impact Resistance:</b>                  | 3.0 Nçm    |
| <b>Max. Crush Resistance:</b>              | 440 N/cm   |
| <b>Min. Bend Radius for Installation:</b>  | 224 mm     |
| <b>Min. Bend Radius for Operation:</b>     | 112 mm     |
| <b>Repeated Bending:</b>                   | 300 cycles |
| <b>Max. Operating Temperature:</b>         | + 75 ÅC    |
| <b>Min. Operating Temperature:</b>         | ñ25 ÅC     |
| <b>Max. Storage Temperature:</b>           | + 75 ÅC    |
| <b>Min. Storage Temperature:</b>           | ñ40 ÅC     |
| <b>UV resistance:</b>                      | Yes        |
| <b>Waterblocking:</b>                      | Yes        |

## Buffers Color Code - 24

|                              |    |
|------------------------------|----|
| Blue                         | 1  |
| Orange                       | 2  |
| Green                        | 3  |
| Brown                        | 4  |
| Grey                         | 5  |
| White                        | 6  |
| Red                          | 7  |
| Black                        | 8  |
| Yellow                       | 9  |
| Purple                       | 10 |
| Pink                         | 11 |
| Turquoise                    | 12 |
| Blue with a black strip      | 13 |
| Orange with a black strip    | 14 |
| Green with a black strip     | 15 |
| Brown with a black strip     | 16 |
| Grey with a black strip      | 17 |
| White with a black strip     | 18 |
| Red with a black strip       | 19 |
| Black with a white strip     | 20 |
| Yellow with a black strip    | 21 |
| Purple with a black strip    | 22 |
| Pink with a black strip      | 23 |
| Turquoise with a black strip | 24 |