

Universal Distribution Tight Buffer Multimode Cable up to 24 Fibres



Universal tight buffer optical fibre cables have been designed specifically for internal and external applications. The outer jacket is water and moisture resistant, flame retardant, Low Smoke Zero Halogen.

Features

- Sequentially Metre Marked
- Internal/External Grade
- LSOH Black Sheath
- Bend Insensitive
- Duct Grade
- CPR compliant to Eca
- Cut to length service

Standards

EN 187 000, IEC 60794-2, IEC 60794-2-20,
ISO 11801-1, EN 50173-1

Flame Resistance

LSHF (LSOH): IEC 60332-1-2; IEC 60754-2; IEC 61034; Class Eca

Construction

| | |
|-------------------|---|
| Fibre | 2 - 24 tightly buffered fibres 900µm ± 50µm |
| Fibre Colour Code | 1Red13Red w/mark every 70mm |
| | 2Green14Green w/mark every 70mm |
| | 3Blue15Blue w/mark every 70mm |
| | 4Yellow16Yellow w/mark every 70mm |
| | 5White17White w/mark every 70mm |
| | 6Grey18Grey w/mark every 70mm |
| | 7Brown19Brown w/mark every 70mm |
| | 8Violet20Violet w/mark every 70mm |
| | 9Turquoise21Turquoise w/mark every 70mm |
| | 10Black22White w/mark every 35mm |
| | 11Orange23Orange w/mark every 70mm |
| | 12Pink24Pink w/mark every 70mm |
| Strength Member | E- Glass rovings |
| Sheath | Black, halogen free, UV stabilised |
| Sheath Marking | EXAMPLE: 'METRE MARKED' - FASTFIBRE OPTICAL FIBRE CABLE TBM308BKLSZHEF 8 FIBRE TB OM3 50/125 ECA 'BATCH NUMBER' * 'WEEK/YEAR' |

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Physical Properties

| Attribute | IEC 60794-1-21/22 Limits Method | |
|---|--|--|
| | Min | Max |
| Fibre Count | -24681216 | 24 |
| Nominal Diameter [mm] | | -66.56.57.07.58.0 8.5 |
| Nominal Weight [kg/km] | -323436394352 | 63 |
| Maximum installation load [N] | | -15002100 2400 |
| Short Term Tensile Strength [N] | | E110001400 1600 |
| Permanent Tensile Strength [N] | | E15001000 1500 |
| Crush (compressive strength) [N/100 mm] | | E330001000 1000 |
| Impact [J] | E420J | |
| Torsion | E75 cycles ± 1 Turn | |
| Minimum bending Radius | | E115075 85 |
| Minimum bending Radius under tension | E18A100130 | 170 |
| Temperature Range | Operation and Installation -20°C to 60°C F1 | |
| Minimum bending Radius of the TB Fibres [MJ/km] | Storage -40°C to 70°C G01Bend Insensitive 7.5mm | |
| Heat of Combustion [kWh/m] | | 66076084597011801400 1700 0.180.210.230.290.330.39 0.47 |

Ordering Information

| Part Number | Description |
|----------------|--|
| TBM304BKLSZHEF | Internal/External Tight Buffer Fibre Cable 4 Core OM3 |
| TBM308BKLSZHEF | Internal/External Tight Buffer Fibre Cable 8 Core OM3 |
| TBM312BKLSZHEF | Internal/External Tight Buffer Fibre Cable 12 Core |
| TBM324BKLSZHEF | OM3 Internal/External Tight Buffer Fibre Cable 24 |
| TBM404BKLSZHEF | Core OM3 Internal/External Tight Buffer Fibre Cable 4 |
| TBM408BKLSZHEF | Core OM4 Internal/External Tight Buffer Fibre Cable 8 |
| TBM412BKLSZHEF | Core OM4 Internal/External Tight Buffer Fibre Cable |
| TBM424BKLSZHEF | 12 Core OM4 Internal/External Tight Buffer Fibre Cable 24 Core OM4 |