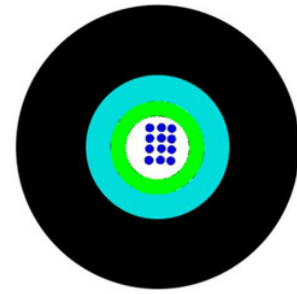


# Universal Distribution Standard Loose Tube Singlemode Cable with 2-24 Fibres



Universal Standard Loose tube optical fibre cables have been designed specifically for applications at the home or business, and used for LAN, WAN backbones and telecom access lines, These cables are suitable for internal/external ducts and have Glass Yarn Armouring in the form of high tensile yarns to offer strength and basic rodent protection.

## Features

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

## Standards

ISO 11801-1, EN 50173-1:2011, IEC 60794-1

## Flame Resistance

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

## Construction

|                   |  |
|-------------------|--|
| Loose Tube        | ø2.8mm gel-filled loose tube with 2-16 fibres; ø3.5mm loose tube with 24 fibres  |
| 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   | Water-blocked E- Glass fibre elements  |
| Sheath            | 1.0mm, Black, UV stabilised, EN 50290-2-27   |
| Sheath Marking    | <b>EXAMPLE:</b> *METRE MARKED* - FASTFIBRE OPTICAL FIBRE CABLE SLTS204BKLSZHEF 4 FIBRE SLT OS2 9/125 ECA *BATCH NUMBER* * WEEK/YEAR* |

# Universal Distribution Standard Loose Tube Singlemode Cable with 2-24 Fibres

## Physical Properties

| Attribute                        | IEC 60794-1-21/22 Method | Limits   |
|----------------------------------|--------------------------|--|
| Nominal Diameter [mm]            | -                        | 2-24 fibres: 5.8mm   |
| Nominal Weight [kg/km]           | -                        | 2-24 fibres: 40kg/km   |
| Tensile Strength (dynamic)       | E1                       | 2000 N (fibre strain $\leq$ 0.6%)  |
| Tensile Strength (permanent)     | E1                       | 750 N (fibre strain $\leq$ 0.2%)   |
| Crush (compressive strength)     | E3                       | 2000 N / 100mm   |
| Impact                           | E4                       | 15 Nm (no attenuation change, no broken cable elements)                            |
| Torsion                          | E7                       | 5 cycles $\pm$ 1 Turn  |
| Kink                             | E10                      | The cables do not form a kink when a loop is drawn together to a diameter of 100mm |
| Minimum bending Radius, unloaded | E11                      | R=58mm   |
| Minimum bending Radius, loaded   | -                        | R=116mm  |
| Temperature Range                | F1                       | Operation -30°C to +60°C<br>Storage -40°C to +60°C<br>Installation -30°C to +40°C  |
| Water penetration                | F5B                      | No water on free end   |
| Heat of Combustion               | -                        | 2-24 fibres 630 MJ/km = 0.18 kWh/m   |

## Ordering Information

| Part Number     | Description   |
|-----------------|---|
| SLTS204BKLSZHEF | Internal/External Standard Loose Tube Fibre 4 Core OS2  |
| SLTS208BKLSZHEF | Internal/External Standard Loose Tube Fibre 8 Core OS2  |
| SLTS212BKLSZHEF | Internal/External Standard Loose Tube Fibre 12 Core OS2 |
| SLTS224BKLSZHEF | Internal/External Standard Loose Tube Fibre 24 Core OS2 |