



## Single Loose Tube Fibre Optic Cable (2-24 Fibres)

2 to 24 250µm fibre single gel filled loose tube cable with e-glass strength members and a Low Smoke Zero Halogen (LSZH) or Polyethylene (PE) outer jacket with ripcord. It comes with various singlemode (ITU-T G.652.D/G.657A1/G.657A2) or multimode ITU-T G.651.1 (OM1/OM2/OM3/OM4/OM5) fibre options.

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### Features

- 250µm loose tube
  - Rodent resistant using e-glass strength members
  - Available with various fibre options
  - Colour coded fibres
  - Option for LSZH or PE outer jacket
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### Applications

- Internal applications
- External duct applications
- Suitable for environments that require rodent resistance

## Specifications

| DESCRIPTION                  |                   | 2-CORE  | 4-CORE  | 6-CORE  | 8-CORE                                 | 12-CORE | 12-CORE | 24-CORE |
|------------------------------|-------------------|---------|---------|---------|--|---------|---------|---------|
| Coloured fibres              | mm                |         |         |         | 0.25                                   |         |         |         |
| Loose tube                   | Material          |         |         |         | PBT                                    |         |         |         |
|                              | Colour            |         |         |         | White or natural                       |         |         |         |
| Water blocking material      | In loose tube     |         |         |         | Filling compound                       |         |         |         |
|                              | Out of loose tube |         |         |         | Water blocking yarns                   |         |         |         |
| Strength member in sub cable | Material          |         |         |         | Glass yarns                            |         |         |         |
| Ripcord                      | Material          |         |         |         | Polyester Yarns                        |         |         |         |
|                              | Colour            |         |         |         | Red                                    |         |         |         |
|                              | Number            |         |         |         | 1                                      |         |         |         |
| Tube OD                      | mm                | 2.6±0.2 | 2.6±0.2 | 2.6±0.2 | 2.6±0.2                                | 2.6±0.2 | 3.5±0.2 | 3.5±0.2 |
| Cable OD                     | mm                | 5.8±0.3 | 5.8±0.3 | 5.8±0.3 | 5.8±0.3                                | 5.8±0.3 | 6.5±0.3 | 6.5±0.3 |
| Thickness                    | mm                | 1.1±0.1 | 1.1±0.1 | 1.1±0.1 | 1.1±0.1                                | 1.1±0.1 | 1.1±0.1 | 1.1±0.1 |
| Weight                       | kg/km             | 37±10%  | 37±10%  | 37±10%  | 37±10%                                 | 37±10%  | 45±10%  | 45±10%  |
| Operating Temperature        | °C                |         |         |         | -20~+60                                |         |         |         |
| Storage Temperature          | °C                |         |         |         | -20~+60                                |         |         |         |
| Installation Temperature     | °C                |         |         |         | -20~+60                                |         |         |         |
| Crush Resistance             | N                 |         |         |         | 300N (long term)<br>1000N (short term) |         |         |         |
| Tensile Strength             | N                 |         |         |         | 300N (long term)<br>1000N (short term) |         |         |         |
| Sheath                       | Material          |         |         |         | LSZH/PE                                |         |         |         |
|                              | Colour            |         |         |         | Black                                  |         |         |         |

## Ordering Information

|        | Fibre Type |         | Jacket Type |      | Fibre Count |     |
|--------|------------|---------|-------------|------|-------------|-----|
| OFC-LT | 9          | G.652.D | 1           | LSZH | 02          | 2   |
|        | A1         | G.657A1 | 2           | PE   | ...         | ... |
|        | A2         | G.657A2 |             |      | 24          | 24  |
|        | 1          | OM1     |             |      |             |     |
|        | 2          | OM2     |             |      |             |     |
|        | 3          | OM3     |             |      |             |     |
|        | 4          | OM4     |             |      |             |     |
|        | 5          | OM5     |             |      |             |     |

## Example order code

OFC-LT - 9 1 - 24

Single Loose Tube Cable Singlemode LSZH 24 Fibres

## Technical Drawing

