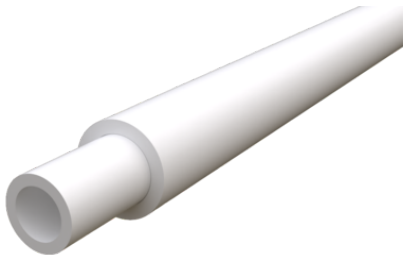


|              |                                                            |
|--------------|------------------------------------------------------------|
| Product name | Bundle 1x12/10 WHITE LSOH jacket HDPE primary tubes 500m/d |
| Product code | 85800225                                                   |
| GTIN         | 7332811336751                                              |
| ETIM-Class   | EC001474                                                   |



PRODUCT SPECIFICATIONS

Hybrid LSZH microduct designed for long term protection of fiber optical cables and are especially suitable for installation of micro cables. Indoor microducts are used for indoor installation applications with a sheath made of halogen-free, flame retardant material and primary ducts of halogen-free HDPE. Parameters such as flexibility and higher safety levels for fire and dangerous substances makes it optimized for safe and effective indoor installations. Every microduct has a permanent, co-extruded silicone compound inner liner giving a coefficient of friction of less than 0,1.

Compliant to Telcordia GR 3155-COR

Unsheathed primary ducts are not flame retardant and shall be installed in flame retardant cable protection.

Measurements

|        |          |
|--------|----------|
| Length | 1,000 mm |
| Height | 14.8 mm  |
| Width  | 14.8 mm  |
| Weight | 82 g     |

Technical Specifications - Single Ducts

|                |       |
|----------------|-------|
| Duct Type      | 12/10 |
| Duct Colour    | White |
| Outer Diameter | 12 mm |

|                              |            |
|------------------------------|------------|
| Outer Diameter Tolerance     | +/- 0.1 mm |
| Inner Diameter               | 10 mm      |
| Inner Diameter Tolerance     | +/- 0.1 mm |
| Min Bending Radius           | 150 mm     |
| Max Install Tensile Force    | 300 N      |
| Inner clearance test (of ID) | 85 %       |

## Technical Specifications - Bundle

|                                    |              |
|------------------------------------|--------------|
| Bundle Type                        | 1-way        |
| Tube Colour Sequence               | EIA/TIA-598A |
| Sheath Colour (Bundle)             | White        |
| Bundle Dimensions                  | 14.8 mm      |
| Min Bending Radius (Bundle)        | 180 mm       |
| Max Install Tensile Force (Bundle) | 670 N        |

## Mechanical Characteristics

|                                                 |               |
|-------------------------------------------------|---------------|
| Temperature ranges for installation             | -10°C - +50°C |
| Temperature ranges for Operation                | -40°C - +60°C |
| Temperature ranges for transport and storage    | -40°C - +60°C |
| Pressure Withstand (IEC 60794-1-22, Method F13) | 15 bar        |
| Tensile performance (IEC 60794-1-21, Method E1) | compliant     |
| Kinking (IEC 60794-1-21, Method E10)            | compliant     |
| Crush (IEC 60794-1-21, Method E3A)              | compliant     |
| Impact (IEC 60794-1-21, Method E4)              | compliant     |
| Bending (IEC 60794-1-21, Method E11B)           | compliant     |
| Coefficient of Friction (IEC 62470)             | ≤ 0,1         |

## Flame Retardant Test Compliance

|                         |            |
|-------------------------|------------|
| Flammability Compliance | iec60332-1 |
|-------------------------|------------|