| | |
|---|---|
| **Product name** | Microduct ID 12×5/3.5mm WHITE HDPE with LSZH jacket D500m |
| **Product code** | 5045326 |
| **GTIN** | 7332811363146 |
| **ETIM-Class** | EC001474 |


## PRODUCT SPECIFICATIONS

Hybrid LSZH microducts are 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 and primary ducts made of halogen-free, flame retardant material. 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-CORE

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

## Measurements

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|---|---|
| **Length** | 1,000 mm |
| **Height** | 20 mm |
| **Width** | 22 mm |
| **Weight** | 212 g |

## Technical Specifications - Single Ducts

| | |
|---|---|
| **Duct Type** | 5/3.5 |
| **Duct Colour** | White |
| **Outer Diameter** | 5 mm |
| **Outer Diameter Tolerance** | +/- 0.1 mm |

| | |
|---|---|
| **Inner Diameter** | 3.5 mm |
| **Inner Diameter Tolerance** | +/- 0.1 mm |
| **Min Bending Radius** | 50 mm |
| **Max Install Tensile Force** | 130 N |
| **Inner clearance test (of ID)** | 85 % |
| **Weight** | 11 kg/km |
| **Outer/inner surface quality (PN 64-004-99)** | Without Deformation |
| **Longitudinal reversion (EN ISO 2505)** | max 3% (oven 110°c, 60 min) |
| **Blowing pressure** | 16 Bar |

## Technical Specifications - Bundle

| | |
|---|---|
| **Bundle Type** | 12-way |
| **Tube Colour Sequence** | Number Sequenced |
| **Sheath Colour (Bundle)** | White |
| **Sheath Thickness** | 0.8 mm |
| **Bundle Dimensions** | 21.6 × 19.6 mm |
| **Min Bending Radious (Bundle)** | 216 mm |
| **Max Install Tensile Force (Bundle)** | 1,560 N |
| **weight** | 212 kg/km |

## Mechanical Characteristics

| | |
|---|---|
| **Temperature ranges for installation** | +5°c - +45°c |
| **Temperature ranges for Operation** | -40°c - +70°c |
| **Temperature ranges for transport and storage** | -20°c - +45°c |
| **Pressure Withstand (EN 1167-1,2)** | resistance to internal pressure (23°c, 16 bar, 2 h) |
| **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 |
| **Repeated bending (IEC 60794-1-21, Method E6)** | Bending diam 40x OD, 25 cycles without any damage |
| **Coefficient of Friction (IEC 62470)** | < 0,1 |

## Flame Retardant Test Compliance

| | |
|---|---|
| **Flammability Compliance** | IEC60332-1 |