

## MICRODUCTS

# MicroDucts LSHF 12/8 mm

MicroDucts LSHF (Low Smoke Halogen Free) are specifically designed for in-building applications where fire, smoke, and toxic fumes may pose a risk to human life and critical electronic equipment. Tested to stringent European standards, MicroDucts LSHF offer best-in-class fire performance when tested to EN 13501-1. Once installed, they enable seamless, cost-effective moves, adds, and changes (MACs) and end-to-end fibre jetting in indoor FTTH, LAN, data centre, and transportation networks.

- Made from quality flame retardant materials, formulated for long life expectancy
- Tested in accordance with EN 13501-1 for reaction to fire and achieved best-in-class fire performance and smoke generation rating 'B s1 d0' when mounted on gypsum plasterboard
- Halogen free, tested in accordance with EN 50642
- MicroDucts LSHF are tested by respected German test institute VDE and marked in accordance with EN IEC 61386-22 (VDE 0605-22):2021-12; EN IEC 61386-22:2021+A11:2021. Production is regularly audited by VDE.
- Available with SILICORE®, a permanently lubricated, coextruded inner lining that provides a lower inner coefficient of friction (<0.1) for maximum cable blowing length
- Available in natural, milky white color
- Designed for a fill ratio between a minimum of 50% and a maximum of 75%
- 

## COLORS



Note: If a pre-installed rope is utilised, it should be removed upon completion of the installation.



## DETAILS

- Footage/Meter Markings

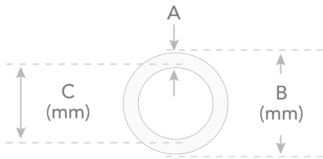
## OPTIONS

- Internal Ribs
- Smooth Interior Wall
- Pre-installed Rope

TECHNICAL SPECIFICATIONS

|                     |                         |
|---------------------|-------------------------|
| Product Description | MicroDucts LSHF 12/8 mm |
|---------------------|-------------------------|

| TECHNICAL DETAILS      |         |
|------------------------|---------|
| Bend Radius            | 120 mm  |
| Outside Diameter (B)   | 12 mm   |
| OD Tolerance +         | 0.1 mm  |
| OD Tolerance -         | 0.1 mm  |
| Inside Diameter (C)    | 8 mm    |
| Wall Thickness (A)     | 2 mm    |
| Wall Tolerance +       | 0.1 mm  |
| Wall Tolerance -       | 0.1 mm  |
| MicroDuct Size (OD/ID) | 12/8 mm |



PHYSICAL PROPERTIES

| GENERAL PRODUCT INFORMATION |                |
|-----------------------------|----------------|
| Storage Temperature         | -15 to 60°C    |
| Installation Temperature    | -5 to 50°C     |
| Use Temperature             | -5 to 60°C     |
| Interior wall               | Smooth, Ribbed |
| Pre-Lubrication Class       | Silicore       |
| UV Stability (Years)        | 0              |

| PERFORMANCE PROPERTIES                                       |   |
|--|---|
| Burst pressure (bar)   | 45  |
| Maximum Pulling Force -<br>Test Method: ISO 527-1, 2         | 570 N   |
| Blown ball test (BB test) -<br>Test Method: EN ISO 1167-1, 2 | Pass, with minimum ball diameter of 80% of ID |
| Friction Coefficient -<br>Test Method: IEC/TR 62470 method A | max. 0.1                                      |
| Burst pressure Test Method                                   | EN ISO 1167-1, 2                              |
| Resistance of Marking  | IEC 60794-1-2, Method E2B, technique no 2     |
| Longitudinal reversion -<br>Test Method: EN ISO 2505         | max 3 %                                       |

| PACKAGING  |   |
|--|---|
| Nominal Weight of Conduit                              | 62 kg/km  |
| Duct Ovality Pre-Winding -<br>Test Method: EN ISO 3126 | 5 %   |
| Length on Drum   | 1500 m  |
| Drum Dimensions  | 100x52x46 cm  |
| Ovality Test Method                                    | EN ISO 3126   |
| Print Marking  | 0000 m - Dura-Line - LOT No 12345678 - MicroDucts LSHF - Ribbed/Smooth - 12/8 - VDE-REG F179 3-3-2-1-2-0-0-0-0-0-1-0-0-1 - Silicore (optional) - Production date <YYYY/MM/DD> |

| CLASSIFICATION  |                             |
|---|-----------------------------|
| Classification Code DIN EN 61386-22 (VDE 0605 Teil22) | 3-3-2-1-2-0-0-0-0-0-1-0-0-1 |

