

## MICRODUCTS

# MicroDucts LSHF 7/5,5 mm

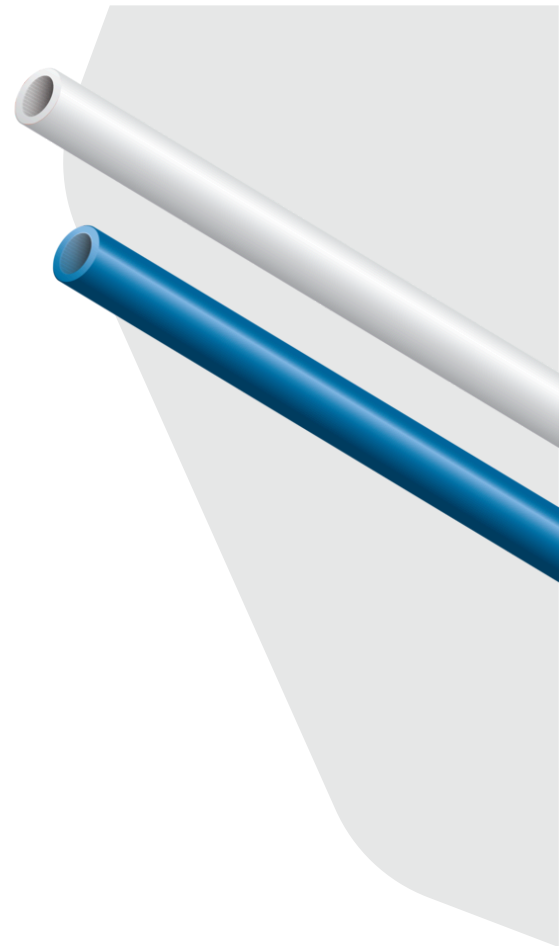
MicroDucts LSHF (Low Smoke Halogen Free) are specifically designed for in-building applications where fire, smoke, and toxic fumes may pose a risk to human life and critical electronic equipment. Tested to stringent European standards, MicroDucts LSHF offer best-in-class fire performance when tested 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 12 opaque RAL colors and natural, milky white color
- Designed for a fill ratio between a minimum of 50% and a maximum of 75%

## COLORS



Color options



## DETAILS

- Footage/Meter Markings

## OPTIONS

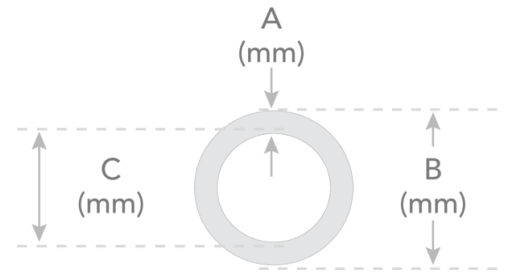
- Internal Ribs
- Smooth Interior Wall
- Pre-installed Rope

## TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION	MicroDucts LSHF 7/5,5 mm
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### TECHNICAL DETAILS

Bend Radius	70 mm
Outside Diameter (B)	7 mm
OD Tolerance	-0.1 / +0.1 mm
Inside Diameter (C)	5.5 mm
Wall Thickness (A)	0.75 mm
Wall Tolerance	-0.1 / +0.1 mm
MicroDuct Size (OD/ID)	7/5.5 mm



### PHYSICAL PROPERTIES

#### GENERAL PRODUCT INFORMATION

Storage Temperature	-15 to 60 °C
Installation Temperature	-5 to 50 °C
Use Temperature	-5 to 60 °C
Pre-Lubrication Class	Silicore
UV Stability (Years in Central European climatic conditions)	0

#### PERFORMANCE PROPERTIES

Burst pressure (bar)	25
Maximum Pulling Force - Test Method: ISO 527-1, 2	130 N
Blown ball test (BB test) - Test Method: EN ISO 1167-1, 2	Pass, with minimum ball diameter of 80% of ID
Friction Coefficient - 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 - Test Method: EN ISO 2505	max 3 %

## PACKAGING

Nominal Weight of Conduit	15 kg/km
Duct Ovality Pre-Winding - Test Method: EN ISO 3126	5 %
Length on Drum	1300 m
Drum Dimensions	60x40x47 cm
Ovality Test Method	EN ISO 3126
Print Marking	0000 m - Dura-Line - LOT No 12345678 - MicroDucts LSHF - Ribbed/Smooth - 7/5,5 - VDE-REG F179 2-2-2-1-3-0-0-0-0- 1-0-0-1 - Silicore (optional) - Production date <YYYY/MM/DD>

## CLASSIFICATION

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