

# MicroDucts LSHF 14/10 mm

MicroDucts LSHF (DuraMicro LSHF)(Low Smoke Halogen Free) is a flame retardant solution for indoor networks. They are designed for use in applications where smoke, toxic fumes, and acidic gas pose a health risk and possible damage to electronic equipment. Both smooth and ribbed inner lining options are designed for easy cable placement. Suitable for creating new routes and also as a subduct in an existing lines.

- B-s1, d0 according to European Standard DIN-EN 13501-1 + A1:2010
- Very low smoke emissions, according to DIN-EN 61034-2
- Absence of halogenated compounds, according to DIN-EN 50642
- All resins comply with the strictest V0 classification according to UL 94:2013
- Production is monitored by VDE twice per year, according to DIN EN IEC 61386 VDE 0605-22:2021-12
- Made from Flame Retardant Low Smoke Halogen Free materials
- Pressure resistance minimum 15 bar
- Silicore, permanently lubricated inner lining provides lower inner coefficient of friction (<0.1) for maximum cable blowing length
- Anti-static inner layer reduces friction caused by static electricity build-up during fibre installation
- Quality materials formulated for long-life expectancy
- Available in milky white colour
- Available in smooth or ribbed inner lining
- Size Range: 4 mm - 20 mm Outer Diameter
- Ribbed inner design option from 7 mm up

## COLORS



Other colour and stripe options available. Please note, for certain color options actual color may vary from RAL color code due to material variations.



## DETAILS

- Footage/Meter Markings

## OPTIONS

- Silicore®
- Internal Ribs
- Pre-installed Cable
- Pre-installed Rope

## PHYSICAL PROPERTIES

Bend Radius	140 mm
Wall Thickness (A)	2 mm
MicroDuct Size (OD/ID)	14/10 mm

## GENERAL PRODUCT INFORMATION

Storage Temperature	-40 to 70°C
Installation Temperature	-10 to 50°C
Use Temperature	-40 to 70°C
Interior wall	Smooth, Ribbed
Pre-Lubrication Class	Silicore
UV Stability	0

## PERFORMANCE PROPERTIES

Burst pressure (bar)	40
Maximum Pulling Force - Test Method: ISO 527-1, 2	740 N
Crush IEC - Test Method: IEC 60794-1-21 method E3A	2.1 N
Bending Stiffness - Test Method: CWS 103-2015	1604 N.m <sup>2</sup>
Burst pressure Test Method	EN ISO 1167-1, 2
Resistance of Marking	IEC 60794-1-2, Method E2B nr 2
Thermal expansion	$1.6 \times 10^{\exp(-4)} K \exp(-1) K^{-1}$
Thermal Expansion Test Method	ISO 11359-2
Longitudinal reversion - Test Method: EN ISO 2505	max 3% %
Flame Test Method 1	DIN 61386-22 (VDE 0605 Part 22):2011-12
Flame Test Method 2	EN 13501
Smoke Test 1 Method	DIN-EN 61034-2
Acidity of Gas Test 1 Method	EN50642
Test 3 Method	DIN 61386-22 (VDE 0605 Part 22):2011-12

## PACKAGING

Duct Ovality on Drum (After 1 Hour)	5 %
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