

Product name	Microduct ID 4x5/3.5mm WHITE HDPE with LSZH jacket D500m
Product code	2821903
GTIN	7070701365541
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

Length	1 000 mm
Height	12 mm
Width	12 mm
Weight	93 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	4-way
Tube Colour Sequence	Number Sequenced
Sheath Colour (Bundle)	White
Sheath Thickness	0,8 mm
Bundle Dimensions	11.6 x 11.6 mm
Min Bending Radious (Bundle)	116 mm
Max Install Tensile Force (Bundle)	520 N
weight	93 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)	ˆ 0,1

Flame Retardant Test Compliance

Flammability Compliance	IEC60332-1
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