

Microduct Assembly 5/3.5 mm Indoor – OFNR

FRD 5/3.5 mm 1-24 -way HG OFNR

Features

- For indoor installation
- 5/3.5 mm microducts
- Halogen-free, flame-retardant, high grade
- 1, 4, 7, 12, 19 or 24 over-sheathed ducts
- Low friction inner surface for maximum installation lengths

Application

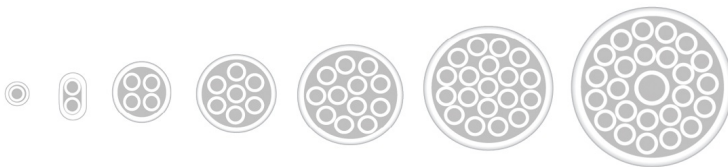
The indoor tight protected duct assemblies consist of a number of microducts with an inner low friction surface that enables installation of air-blown fibers. These microducts are highly flame retardant and therefore suitable for indoor use.

Design

The duct assemblies are available in several versions from 1 to 24 microducts. Each microduct has an outer/inner diameter of 5/3.5 mm. The microducts and duct assemblies including the outer sheath are made of halogen-free, flame-retardant polymer.

The flame retardant properties are verified according to UL1666 OFNR Riser, as well as all relevant IEC standards.

Product Information



Microducts and sheath: Halogen-free, flame-retardant polyolefin

Technical Information

Temperature, Operation [°C]	-20 to +60
Temperature, Storage [°C]	-20 to +60
Temperature, Installation [°C]	-20 to +50
Reaction to Fire	IEC60332-3-24, IEC60332-1, UL 1666 Riser OFNR

Conformance

Abrasion: IEC 60794-1-2-E2B(1)
Kink: IEC 60794-1-2-E10, 20 x outer diameter
Impact: IEC 60794-1-2-E4
Crush: IEC 60794-1-2-E3
Tensile: IEC 60794-1-2-E
Bend: IEC 60794-1-2-E11A
Torsion: IEC 60794-1-2-E
Flexibility: IEC 60794-1-2-E8
Inner Clearance: IEC 60794-5-20, IEC 60794-5-10, Ann. D
Flammability: IEC60332-3-24, IEC60332-1
Smoke density: .IEC61034-2
Smoke volume: ASTM E662
Halogen Content: IEC 60754-1, 0%
Acidity/Halogen contents: IEC60754-1/-2
Toxicity index: DEFSTAN 02-713
Flame Test: UL 1666 Riser, OFNR

Marking

Duct assemblies have markings showing the tube length.
 The individual microducts are numbered.

Installation Notes

Flammability according to IEC60332-3-24 and UL 1666
 Riser refers to sheathed empty ducts and sheathed ducts
 installed with Hexatronic blown fiber units.

Articles 3

Article name	Color	Layout	Bend Radius [mm]	Tensile Force, Installation [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
Microduct 1x5/3.5 ID UL OFNRft 500 m MPB30208/1U-2	White	1x5/3.5	70	110	450	2	7.2	45	500/K5
Microduct 12x5/3.5 ID UL OFNRft MPB30208/12U-1	White	12x5/3.5	300	950	1500	10	22.5	305	4000/K22, 2000/K16, 1000/K12, 500/K10
Microduct 24x5/3.5 ID UL OFNRft MPB30208/24U-1	White	24x5/3.5	500	1800	4000	10	32.5	462	4000/K24, 2000/K22, 1000/K16, 500/K12