



Microduct Assembly 5/3.5 mm Indoor – OFNR

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

Features

- For routing from FDH or building basement to living unit
- Transition from OSP HDPE to Indoor riser rated duct with 7mm straight connector for single ducts
- > 1 Way (duct assemblies)- 5/3.5 mm ducts with 7mm over sheath (can be used as 7/3.5mm duct or 5/3.5mm duct)
- 1 way (single duct)- 7.2mm/3.5mm duct
- Halogen-free, flame-retardant, high grade
- Riser Rated, UL 1666 OFNR
- 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.

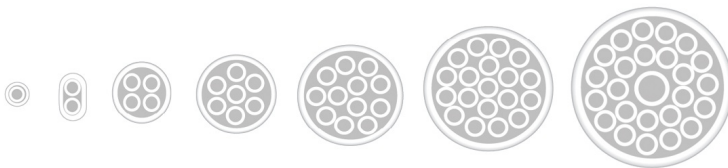
Design

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 1 way (single duct) can be used with 7mm straight connectors without removing the jacket and facilitates the transitioning from OSP duct to ISP duct.

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

Product Color	Black
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 [in]	Tensile Force, Installation [lbs]	Crush [lbs/4"]	Impact [ft-lbs]	Dimensions [in]	Weight [lbs/ktft]	Length [ft]
Microduct 1x5/3.5 ID UL OFNR ft 500 m MPB30208/1U-2	White	1x5/3.5	2.7	25	100	1.5	0.24 (7.2mm)	30	500m/K5
Microduct 12x5/3.5 ID UL OFNR 1KM (3,280 ft.) MPB30208/12U-1	White	12x5/3.5	11.8	214	340	7.4	0.89 (22.5mm)	205	4000m/K22, 2000m/K16, 1000m/K12, 500m/K10
Microduct 24x5/3.5 ID UL OFNR 1KM (3,280 ft.) MPB30208/24U-1	White	24x5/3.5	19.7	405	900	7.4	1.28 (32.5mm)	310	4000m/K24, 2000m/K22, 1000m/K16, 500m/K12