



Microduct Assembly 5/3.5 mm Indoor/Outdoor

FRD 5/3.5 mm 1 -way HG ID/OD

Features

- Sheathed duct for indoor or outdoor use
- Outer sheath UV resistant for outdoor facade installation
- Inner microduct, flame retardant for installations indoor
- Halogen-free, flame-retardant
- Low friction inner surface for maximum installation lengths
- Excellent environmental properties

Application

The indoor/outdoor tight protected microduct consist of a halogen free, flame retardant inner duct with a removable, UV resistant outer sheath. This design makes it possible to install the duct outdoors on facades. Sections of the duct can also be installed indoors by simply removing the outer sheath, exposing the flame retardant inner duct. The microduct can be mounted onto facades with cable clamps (7mm).

Design

The microducts are made of halogen-free, flame-retardant polymer. The microducts are white with a colored outer sheath that blends in with different types of facades. Color options for the sheath are white, grey and brown. The inner flame retardant microduct has an outer/inner diameter of 5/3.5 mm and is colored white.

Product Information

Microducts: Halogen-free, flame-retardant polyolefin

Sheath: HDPE

Technical Information

Temperature, Operation [°C] -40 to +60

Temperature, Storage [°C] -40 to +60

Temperature, Installation [°C] -20 to +50

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

Installation Notes

Note that the sheath must be removed for the section of the duct that is installed indoors.

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Article name	Color	Layout	Bend Radius [mm]	Tensile Force [N]	Crush [N/100 mm]	Impact [J]	Dimensions [mm]	Weight [kg/km]	Length [m]
1x5/3.5 Outdoor-Indoor Brown 10/MPB30252/1	Brown	1x5/3.5	70	230	1500	1	7	25	500/K5
1x5/3.5 Outdoor-Indoor Brown 500 m 10/MPB30252/1-2	Brown	1x5/3.5	70	230	1500	1	7	25	500/K5
1x5/3.5 Outdoor-Indoor White 5/MPB30252/1	White	1x5/3.5	70	230	1500	1	7	25	500/K5
1x5/3.5 Outdoor-Indoor White 500 m 5/MPB30252/1-2	White	1x5/3.5	70	230	1500	1	7	25	500/K5
1x5/3.5 Outdoor-Indoor Grey 9/MPB30252/1	Gray/Slate	1x5/3.5	70	230	1500	1	7	25	500/K5
1x5/3.5 Outdoor-Indoor Grey 500 m 9/MPB30252/1-2	Gray/Slate	1x5/3.5	70	230	1500	1	7	25	500/K5