HDPE High Strength Microduct Tube Bundle Direct Install 1-24ways 5/3.5mm



DIRECT INSTALL HIGH STRENGTH duct is designed for installation duct and sub duct. This product will install in the existed infrastructure with high crush resistance. The thin wall of inner tube can make it easy to bend or fix inside of cabinet or closure. Flexibility of tube is excellent for bending or fixing inside of cabinet or closure. It is strong against lighting, electrical surge.









Optional Features

- Various configurations with different size between 5/3.5mm and 12/10mm (Material : HDPE)
- Wide range of number of inner tube from 1 way to 24+1 way
- Ribbed & Smooth Type
- Rip cords
- Insulated Locatable copper wire

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SPECIFICATION

5/3.5mm	OD max inch	OD min inch	Sheath Thickness(Inch)	Weight (lbs)	Supported BR (In)	Unsupported BR (in)	Safe Working Pull Strength lbs
1Way	0.31	0.31	0.0585	0.026	3	6	132
2Way	0.51	0.31	0.0585	0.042	5	10	215
4Way	0.59	0.59	0.0585	0.066	6	12	340
7Way	0.71	0.71	0.0585	0.093	7	14	482
12Way	0.92	0.92	0.0585	0.14	9	18	724
19Way	1.07	1.07	0.0585	0.197	11	21	1016
24+1Way	1.30	1.3	0.0585	0.267	13	26	1380

CONSTRUCTION

INNER TUBES	Materials	HDPE (High-density Polyethylene)
	Diameter	3,4 - 3.6mm
	Color options	Fully colored
	Inner surface	Smooth with silicon 0.1mm
OUTER SHEATH	Materials	HDPE (High-density Polyethylene)
	Color	Orange, or customized
	Diameter	4.9 - 5.1 mm
	Wall thickness(mm)	0.9mm

Storage

Completed packages of the HDPE Tube Bundle on drums can be stored outdoor max. 6 months upon the date of production.

Storage temperature	-40°C ～+70°C
Installation temperature	-20°C ～+50°C
Operating temperature	-40°C ～+70°C

Mechanical Performance Test compliance

Tensile Strength	IEC 60794-1-2 Method E1
Bend	IEC 60794-1-2 Method E11
Kink	IEC 60794-1-2 Method E10
Impact	IEC 60794-1-2 Method E4
Crush	IEC 60794-1-2 Method E3
Compliant to	Telcordia GR 3155-CORE

VOYGAR SYSTEMS GmbH has met and maintains the rigorous standards required to become a Certified ISO 9001, ISO 14001.
VOYGAR SYSTEMS GmbH Micro duct Assemblies has been rigorously tested by Telcordia Technologies and found to be compliant to Telcordia GR-3155-CORE.

Ordering Information

P.N	DESCRIPTION
HIHS5501	HDPE High Strength Microduct Tube Bundle Direct Install 1-ways 5/3.5mm
HIHS5502	HDPE High Strength Microduct Tube Bundle Direct Install 2-ways 5/3.5mm
HIHS5504	HDPE High Strength Microduct Tube Bundle Direct Install 4-ways 5/3.5mm
HIHS5507	HDPE High Strength Microduct Tube Bundle Direct Install 7-ways 5/3.5mm
HIHS5512	HDPE High Strength Microduct Tube Bundle Direct Install 12-ways 5/3.5mm
HIHS5524	HDPE High Strength Microduct Tube Bundle Direct Install 24-ways 5/3.5mm (+1x12/10mm)

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