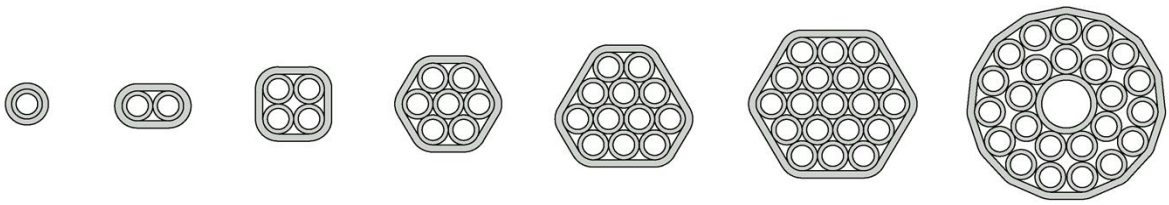
VOYGAR
QUALITY IS OUR CONCERN

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



LSZH micro ducts, each with low friction performance are suitable for fiber blowing. The RISER micro duct is surrounded with a sheath of RISER material, giving excellent performance in a fire. The lightweight, metal-free, flexible RISER micro duct is intended for indoor installation.
UL 2024 Standard for Signaling, Optical Fiber and Communications Raceways and Cable Routing Assemblies Riser Listed Certificate
This certification is a requirement for indoor micro duct installations that are placed in the building riser raceway in the USA.
"These requirements cover the following types of signaling raceways, optical fiber raceways and communication raceways and fittings designed for use with signaling, optical fiber and communications
And CATV cables and cable routing assemblies and fittings designed for use with optical fiber, communications, CATV, and network-powered broadband communications cables in accordance with Article 770 of the National Electrical Code (NEC)



Optional Features

- Wide range of number of inner tube from 1 way to 24+1 way
- Ribbed & Smooth Type
- Indoor use with flame retardant properties(IEC 60332 Part 1&3)
- Low smoke emissions
- Contains no Halogens.
- Low friction internal coating for maximum fibre blowing distance

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

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10963 Berlin
Tel. 030 65774162
Fax. 030 700143-1359
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1Way	0.28	0.28	0.1365	0.03	3	6	81
2Way	0.49	0.29	0.1365	0.056	5	10	152
4Way	0.49	0.49	0.1365	0.088	5	10	237
7Way	0.69	0.63	0.1365	0.129	7	14	347
12way	0.88	0.8	0.1482	0.195	9	18	524
19way	1.08	0.97	0.1482	0.28	11	22	754
24+1way	1.26	1.26	0.1482	0.377	13	25	1015

CONSTRUCTION

INNER TUBES	Materials	LSZH Compound
	Diameter	3.5mm
	Color options	White or Ivory Colors
	Inner surface	Smooth with silicon 0.1mm
OUTER SHEATH	Materials	LSZH Compound
	Color	White or Ivory Colors
	Diameter	5 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
LIHS5501	LSZH High Strength Microduct Tube Bundle Direct Install 1-ways 5/3.5mm
LIHS5502	LSZH High Strength Microduct Tube Bundle Direct Install 2-ways 5/3.5mm
LIHS5504	LSZH High Strength Microduct Tube Bundle Direct Install 4-ways 5/3.5mm
LIHS5507	LSZH High Strength Microduct Tube Bundle Direct Install 7-ways 5/3.5mm
LIHS5512	LSZH High Strength Microduct Tube Bundle Direct Install 12-ways 5/3.5mm
LIHS5524	LSZH High Strength Microduct Tube Bundle Direct Install 24-ways 5/3.5mm (+1x12/10mm)

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