



Indoor Microduct

(LSZH(Low Smoke Zero Halogen Duct), Riser Rated)

Indoor Microduct, each with low friction performance are suitable for fiber blowing. The Indoor microduct is surrounded with a sheath of LSZH material, providing excellent fire resistance. The lightweight, metal-free, flexible LSZH microduct is intended for indoor installation. Riser Rated Microduct certified to UL2024 for North American Market is available.

❖ Installation: Indoor Application



1 way

2 way

4 way

7 way

12 way

19 way

24+1 way

Features

Various configurations with different size between 5/3.5mm and 12/10mm
Wide range of number of inner tube from 1 way to 24+1 way

- Indoor use with flame retardant properties (IEC 60332 Part 1&3)
- Low smoke emissions
- Contains no Halogens.
- Low friction internal coating for maximum fiber blowing distance



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UL 2024 Standard for Signaling, Optical Fiber and Communications Raceways and Cable Routing Assemblies **Riser** Listed Certificate





Material

- LSZH Compound with White or Ivory Colors

Marking & Packing

- Meter or ft marking & Customized marking
- Various & customized put ups per reel

Color

- Outer sheath and inner tube colors in Natural color

Temperature Performance

Storage and Transportation	-40°C to +60°C
Installation	-20°C to +50°C
Operation	-40°C to +60°C

Maximum Air Pressure

- 15bar

Mechanical Performance Test compliance

Test	Standard
Tensile Performance	IEC 60794-1-21 Method E1
Bend	IEC 60794-1-21 Method E11
Kink	IEC 60794-1-21 Method E1
Impact	IEC 60794-1-21 Method E3
Crush	IEC 60794-1-21 Method E3
Inner Clearance:	IEC 60794-5-20 Ann.E

- Certified to Telcordia GR 3155-CORE

Microduct Configuration

5/3.5mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	5.0	80	14	60	450
1way	7.0	250	42	90	1,000
2way	12.4x7.4	480	80	90	1,000
4way	12.4x12.4	750	125	150	1,000
7way	17.4x16.1	1,100	184	200	1,000
12way	22.4x20.4	1,600	278	250	1,000
19way	27.4x24.7	2,400	400	300	1,000
24+1way	32.0x32.0	3,100	533	400	1,000

10/8mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	10.0	230	39	120	450
1way	12.4	630	105	150	1,000
2way	22.4x12.4	1,000	183	150	1,000
4way	22.4x22.4	1,800	301	270	1,000
7way	32.4x29.7	2,700	460	360	1,000

12/10mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	12.0	280	48	150	450
1way	14.4	720	120	180	1,000
2way	26.4x14.4	1,200	211	180	1,000
4way	26.4x26.4	2,000	348	320	1,000
7way	38.4x35.2	3,100	533	430	1,000

Internationally Certified

KNET has met and maintains the rigorous standards required to become a Certified ISO 9001, ISO 14001 and TL9000 manufacturer. KNET Microduct Assemblies has been rigorously tested by Telcordia Technologies and found to be compliant to Telcordia GR-3155-CORE.



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