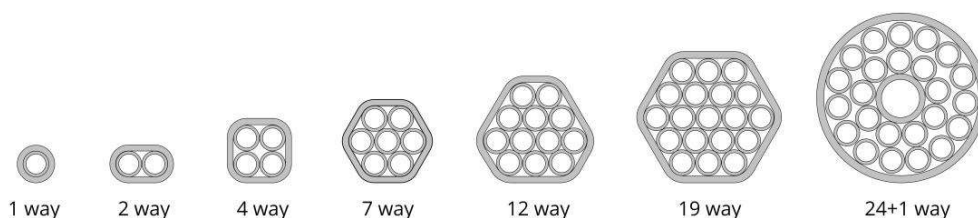


## Blulight™ LSZH (Low Smoke Zero Halogen) Duct

LSZH microducts, each with low friction performance are suitable for fiber blowing. The LSZH microduct is surrounded with a sheath of LSZH material, giving excellent performance in a fire. The lightweight, metal-free, flexible LSZH microduct is intended for indoor installation.

- 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
- For, North American market, **UL 2024 Standard** for Signaling, Optical Fiber and Communications Raceways and Cable Routing Assemblies Riser Listed Certificate



All Knet Microduct has the excellent blowing performance with a silicone coated inner tube.

### Optional 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

### Mechanical Performance Test compliance

Tensile Performance: IEC 60794-1-21 Method E1  
 Bend: IEC 60794-1-21 Method E11  
 Kink: IEC 60794-1-21 Method E10  
 Impact: IEC 60794-1-21 Method E4  
 Crush: IEC 60794-1-21 Method E3  
 Inner Clearance: IEC 60794-5-20 Ann.E  
 Compliant to Telcordia GR 3155-CORE

### Material

LSZH Compound with White or Ivory Colors

### Marking

Meter marking & Customized marking

### 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 (Blowing)

15bar

## Microduct Assemblies Technical Details

5/3.5mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)	Length/drum (m)	Number of drums in 40'
Single Tube	5.0	80	14	60	450	1,000	500
1way	7.0	250	42	90	1,000	2,000	180
2way	12.4x7.4	480	80	90	1,000	1,000	130
4way	12.4x12.4	750	125	150	1,000	2,000	40
7way	17.4x16.1	1,100	184	200	1,000	2,000	32
12way	22.4x20.4	1,600	278	250	1,000	2,000	22
19way	27.4x24.7	2,400	400	300	1,000	2,000	18
24+1way	32.0x32.0	3,100	533	400	1,000	1,000	21

10/8mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)	Length/drum (m)	Number of drums in 40'
Single Tube	10.0	230	39	120	450	1,000	130
1way	12.4	630	105	150	1,000	1,000	104
2way	22.4x12.4	1,000	183	150	1,000	2,000	32
4way	22.4x22.4	1,800	301	270	1,000	2,000	21
7way	32.4x29.7	2,700	460	360	1,000	2,000	12

12/10mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)	Length/drum (m)	Number of drums in 40'
Single Tube	12.0	280	48	150	450	2,000	66
1way	14.4	720	120	180	1,000	1,000	96
2way	26.4x14.4	1,200	211	180	1,000	2,000	24
4way	26.4x26.4	2,000	348	320	1,000	2,000	18
7way	38.4x35.2	3,100	533	430	1,000	1,000	14