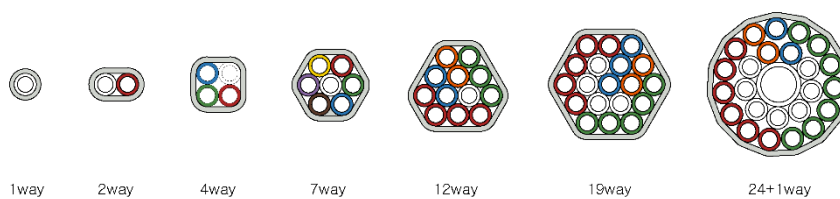




Blulight™ Hybrid LSZH (Low Smoke Zero Halogen) Duct



The hybrid low smoke zero halogen microduct (Hybrid LSZH) is designed to be flexible and lightweight, yet durable and easy to handle. The primary tube has suitable low friction characteristics on the inside surface and is manufactured from HDPE. The primary tubes are surrounded by **a layer of moisture barrier non-metallic tape** and a flame retardant, low smoke zero halogen (LSZH) polyolefin. The LSZH sheath provides the duct assembly with sufficient protection, especially during installation. The sheath is easily removed to facilitate microduct termination.



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

Outer sheath: LSZH Compound with White or Ivory Colors

Inner tube: PE

Moisture barrier tape: Nonmetallic tape

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	100	10	60	700	2,000	500
1way	7.4	240	41	90	1,000	2,000	130
2way	12.8x7.8	460	77	100	1,000	2,000	44
4way	12.8x12.8	680	114	160	1,500	2,000	40
7way	17.8x16.5	960	161	200	1,500	2,000	32
12way	22.8x20.8	1,400	236	250	1,500	2,000	22
19way	27.1x27.1	1,900	330	310	1,500	2,000	18
24+1way	32.7x32.7	2,600	438	400	1,500	1,000	19

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	300	27	120	700	1,000	130
1way	12.8	560	94	160	1,000	1,000	104
2way	22.8x12.8	900	159	160	1,000	2,000	32
4way	22.8x22.8	1,490	249	280	1,500	2,000	21
7way	32.8x30.1	2,100	366	370	1,500	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	300	33	150	700	2,000	66
1way	14.8	670	112	180	1,000	2,000	36
2way	26.8x14.8	1,100	190	180	1,000	2,000	24
4way	26.8x26.8	1,700	299	330	1,500	2,000	18
7way	38.8x35.6	2,600	441	430	1,500	1,000	18



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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