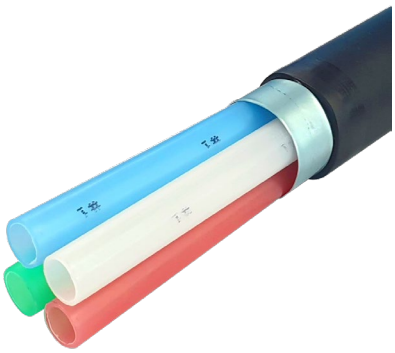
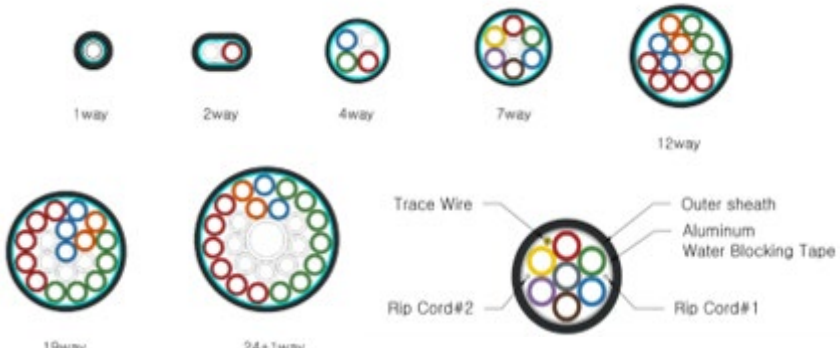
DI Al
(Direct Install Aluminum)

DIRECT INSTALL ALUMINUM duct is for installation duct and sub duct. This product will install in the existed infrastructure to maximize DI-AL advantage with the Aluminum tape which helps to block the water from the extreme wet soil condition.
It is recommended to earth regular interval with aluminum or use metal free products

- Installation: Direct Installed





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

Optional Features

Ribbed & Smooth Type
Rip cords
Insulated Locatable copper wire

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Material

- HDPE Inner tube and Outer sheath

Marking & Packing

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

Color

- Outer sheath and inner tube colors are used according to industry standards, customer's colors, and stripes are optional.

Blue	Orange	Green	Brown	Slate	White	Red	Black	Yellow	Violet	Rose	Aqua

Red	Green	Blue	Yellow	White	Grey	Brown	Violet	Aqua	Black	Orange	Pink

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	100	10	60	700
1way	8.4	600	50	110	1,500
2way	13.4x8.4	930	78	110	1,500
4way	15.5	1,400	123	190	1,500
7way	18.4	2,000	168	230	1,500
12way	23.7	2,900	246	290	1,500
19way	27.7	4,000	337	340	1,500
24+1way	33.3	5,300	447	400	1,500

8/6mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	8.0	200	21	60	700
1way	11.4	940	79	140	1,500
2way	19.4x11.4	1,500	130	140	1,500
4way	22.7	2,500	210	280	1,500
7way	27.4	3,600	301	330	1,500
12way	36.2	5,700	477	440	1,500

10/8mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	10.0	300	27	120	700
1way	13.4	1,100	97	170	1,500
2way	23.4x13.4	1,900	161	170	1,500
4way	27.9	3,300	279	340	1,500
7way	33.8	4,700	398	410	1,500

12/10mm	Nom. OD (mm)	Max. Tensile (N)	Weight (kg/km)	Bend Radius (mm)	Crush (N)
Single Tube	12.0	300	33	150	700
1way	15.4	1,300	115	190	1,500
2way	27.4x15.4	2,300	192	190	1,500
4way	32.8	4,000	335	400	1,500
7way	39.8	5,700	479	480	1,500

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.