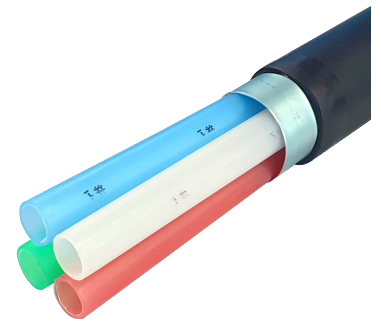


Blulight™ DI AL (Direct Install Aluminum)

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



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
 Ribbed & Smooth Type
 Rip cords
 Insulated Locatable copper wire

Material

HDPE Inner tube and Outer sheath

Marking

Meter marking & Customized marking

Color

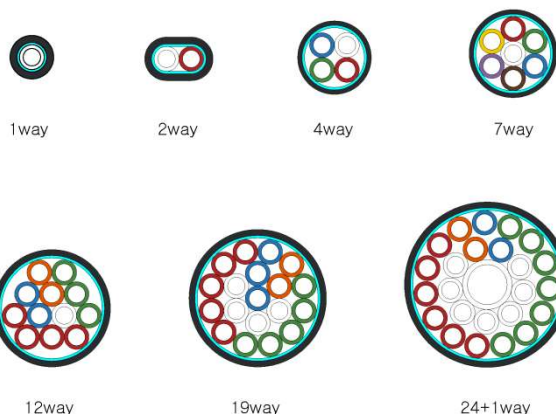
Outer Sheath and Inner tube color can be customized

Temperature Performance

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

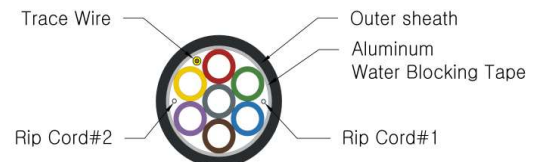
Maximum Air Pressure (Blowing)

15bar



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 E1
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



| 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 | 8.4 | 600 | 50 | 110 | 1,500 | 2,000 | 104 |
| 2way | 13.4x8.4 | 930 | 78 | 110 | 1,500 | 2,000 | 44 |
| 4way | 15.5 | 1,400 | 123 | 190 | 1,500 | 2,000 | 36 |
| 7way | 18.4 | 2,000 | 168 | 230 | 1,500 | 2,000 | 32 |
| 12way | 23.7 | 2,900 | 246 | 290 | 1,500 | 2,000 | 21 |
| 19way | 27.7 | 4,000 | 337 | 340 | 1,500 | 2,000 | 18 |
| 24+1way | 33.3 | 5,300 | 447 | 400 | 1,500 | 2,000 | 12 |

| 8/6mm | Nom. OD (mm) | Max. Tensile (N) | Weight (kg/km) | Bend Radius (mm) | Crush (N) | Length/drum (m) | Number of drums in 40' |
|-------------|--------------|------------------|----------------|------------------|-----------|-----------------|------------------------|
| Single Tube | 8.0 | 200 | 21 | 60 | 700 | 2,000 | 104 |
| 1way | 11.4 | 940 | 79 | 140 | 1,500 | 2,000 | 44 |
| 2way | 19.4x11.4 | 1,500 | 130 | 140 | 1,500 | 2,000 | 33 |
| 4way | 22.7 | 2,500 | 210 | 280 | 1,500 | 2,000 | 22 |
| 7way | 27.4 | 3,600 | 301 | 330 | 1,500 | 2,000 | 18 |
| 12way | 36.2 | 5,700 | 477 | 440 | 1,500 | 2,000 | 11 |

| 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 | 13.4 | 1,100 | 97 | 170 | 1,500 | 2,000 | 40 |
| 2way | 23.4x13.4 | 1,900 | 161 | 170 | 1,500 | 2,000 | 29 |
| 4way | 27.9 | 3,300 | 279 | 340 | 1,500 | 2,000 | 18 |
| 7way | 33.8 | 4,700 | 398 | 410 | 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 | 15.4 | 1,300 | 115 | 190 | 1,500 | 2,000 | 36 |
| 2way | 27.4x15.4 | 2,300 | 192 | 190 | 1,500 | 2,000 | 22 |
| 4way | 32.8 | 4,000 | 335 | 400 | 1,500 | 2,000 | 12 |
| 7way | 39.8 | 5,700 | 479 | 480 | 1,500 | 1,000 | 12 |

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.

