

Blulight™ DB AL (Direct Buried Aluminum)

As a Direct buried product, Direct Buried Aluminum has the Aluminum tape which helps to block the water from the extreme wet soil condition. The outer sheath is made of rugged PE, providing excellent protection from the physical environment. Thanks to its characteristics, potential damages by crushing, external impact, etc. can be prevented.



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

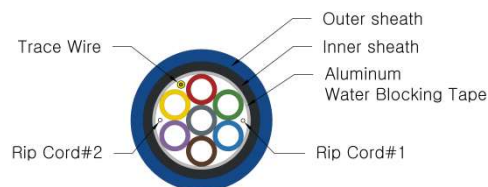
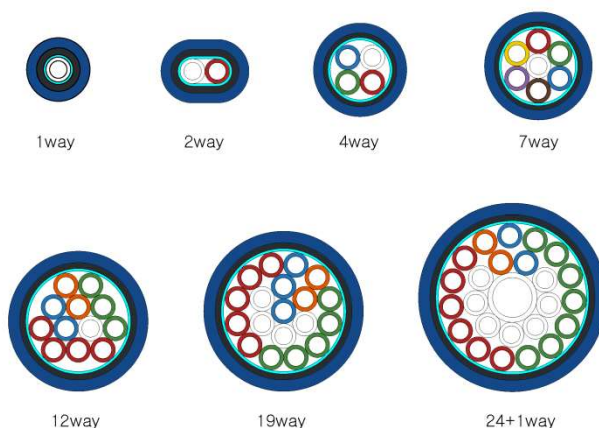
Storage and Transportation: -40°C to +60°C
 Installation: -20°C to +50°C
 Operation: -40°C to +60°C

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	12.4	1,300	112	150	2,000	2,000	40
2way	17.4x12.4	1,900	159	150	2,000	2,000	33
4way	19.5	2,700	227	240	3,000	2,000	29
7way	22.4	3,400	290	270	3,000	2,000	22
12way	28.3	5,100	425	340	3,000	2,000	18
19way	32.3	6,200	543	390	3,000	2,000	12
24+1way	37.9	8,200	691	460	3,000	1,000	14

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	15.4	1,900	159	190	2,000	2,000	36
2way	23.4x15.4	2,800	241	190	2,000	2,000	24
4way	26.7	4,200	358	330	3,000	2,000	19
7way	31.4	5,700	477	380	3,000	2,000	12
12way	40.8	8,800	741	490	3,000	1,000	12

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	17.4	2,200	189	210	2,000	2,000	32
2way	27.4x17.4	3,400	291	210	2,000	2,000	21
4way	32.9	6,000	506	400	3,000	2,000	12
7way	38.8	8,000	669	470	3,000	2,000	10

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	19.4	2,600	218	240	2,000	2,000	29
2way	31.4x19.4	4,100	342	240	2,000	2,000	19
4way	37.8	7,100	598	460	3,000	2,000	11
7way	44.8	9,500	795	540	3,000	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.

