



DIRECT INSTALL HIGH STRENGTH duct is designed for installation duct and sub duct. This product will install in the existed infrastructure with high crush resistance. The thin wall of inner tube can make it easy to bend or fix inside of cabinet or closure. Flexibility of tube is excellent for bending or fixing inside of cabinet or closure. It is strong against lighting, electrical surge.

❖ Installation: Direct Installed



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DI HS (Direct Install High Strength)



1way



2way



4way



7way



12way



19way



24+1way

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



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	8.0	450	38	100	2,000
2way	13.0x8.0	740	62	100	2,000
4way	15.1	1,170	98	190	3,000
7way	18.0	1,660	139	220	3,000
12way	23.3	2,500	209	280	3,000
19way	27.3	3,500	293	330	3,000
24+1way	32.9	4,700	398	400	3,000

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	11.0	740	62	140	2,000
2way	19.0x11.0	1,200	106	140	2,000
4way	22.3	2,100	175	270	3,000
7way	27.0	3,000	257	330	3,000
12way	35.8	5,000	418	430	3,000

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	13.0	920	77	160	2,000
2way	23.0x13.0	1,500	132	160	2,000
4way	28.1	3,100	259	340	3,000
7way	34.2	4,500	383	420	3,000

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	15.0	1,090	91	180	2,000
2way	27.0x15.0	1,890	158	180	2,000
4way	33.0	3,700	310	400	3,000
7way	40.2	5,500	460	490	3,000

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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