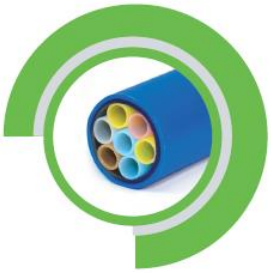
AirWave® Direct Bury Metal Free Microduct Assemblies

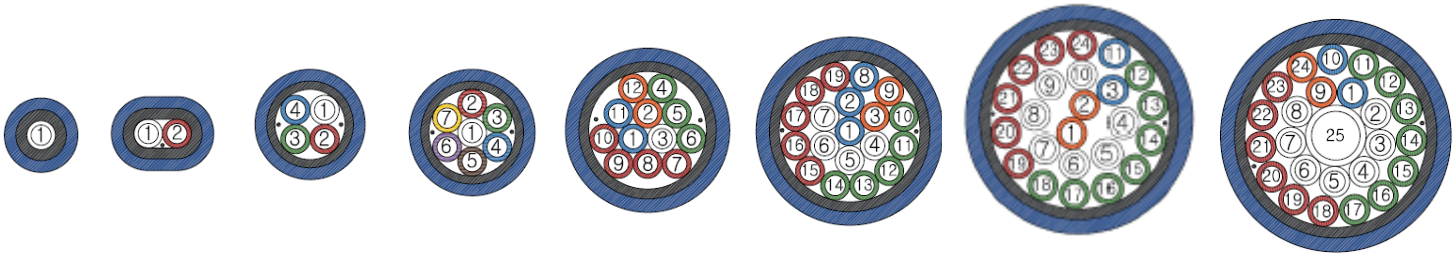
Introduction

AirWave® **Direct Bury Metal Free Microduct** Assemblies consist of tubes with a smooth or ribbed inner surface that enables an air blown installation of micro cables. The micro ducts are sheathed with two layers without moisture barrier. It provides excellent protection from the physical environment withstanding significant amount of pressure by pulling, and it is easy to branch off for network expansion.

Configurations & Colors

Microduct (primary tube): Polyethylene tube with Lenora standard colors
Silicone coating and smooth or straight ribbed inner surface
Inner sheath: Polyolefine with Black color
Outer sheath: High Density Polyethylene HDPE with Blue color
Ripcords and Tracer wire: Available upon customer request
Other colors are available upon the customer request.





1way 2ways 4ways 17ways 12ways 19ways 24ways 24+1ways

All Lenora Microduct has the excellent blowing performance with a silicone coated inner tube.

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	12.0	1,100	98	150	3,000	2,000	44
2way	17.0x12.0	1,600	140	150	3,000	2,000	36
4way	19.1	2,400	200	230	4,000	2,000	29
7way	22.0	3,100	259	270	4,000	2,000	22
12way	27.9	4,600	385	340	4,000	2,000	18
19way	31.9	5,900	496	390	4,000	2,000	12
24+1way	37.5	7,600	639	450	4,000	1,000	14

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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	15.0	1,600	140	180	3,000	2,000	36
2way	23.0x15.0	2,500	214	180	3,000	2,000	24
4way	26.3	3,800	320	320	4,000	2,000	19
7way	31.0	5,100	431	380	4,000	2,000	13
12way	40.4	8,100	680	490	4,000	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	17.0	1,900	166	210	3,000	2,000	32
2way	27.0x17.0	3,100	259	210	3,000	2,000	21
4way	31.5	4,900	410	380	4,000	2,000	12
7way	38.2	7,100	599	460	4,000	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	19.0	2,300	193	230	3,000	2,000	29
2way	31.0x19.0	3,600	305	230	3,000	2,000	19
4way	36.4	5,800	486	440	4,000	2,000	11
7way	44.2	8,500	712	540	4,000	1,000	12

Mechanical Performance Test compliance

Tensile Strength: 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

Material

HDPE Inner tube and Outer sheath

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Packaging

Microduct assemblies are delivered on wooden drum. The drums protected with plastic foil and both ends of the microduct assembly are sealed with glued shrinkage tube to ensure that the product will not be affected by moisture or dust.

Marking

Product code
Product specification
Manufactured code (Lot No. and etc.)
Length marking
Other markings are available upon customer requests.

Ordering Information

Product Code	Microduct Description
LN-AW-DBMF5/3.5-1	Direct Buried metal free micro duct ,1 way , 5/3.5mm
LN-AW-DBMF5/3.5-2	Direct Buried metal free micro duct ,2 way , 5/3.5mm
LN-AW-DBMF5/3.5-4	Direct Buried metal free micro duct ,4 way , 5/3.5mm
LN-AW-DBMF5/3.5-7	Direct Buried metal free micro duct ,7 way , 5/3.5mm
LN-AW-DBMF5/3.5-12	Direct Buried metal free micro duct ,12 way , 5/3.5mm
LN-AW-DBMF5/3.5-19	Direct Buried metal free micro duct ,19 way , 5/3.5mm
LN-AW-DBMF5/3.5-24	Direct Buried metal free micro duct ,24 way , 5/3.5mm
LN-AW-DBMF5/3.5-24+1/10	Direct Buried metal free micro duct , 24 way 5/3.5mm+1 way 10/8
LN-AW-DBMF5/3.5-24+1/12	Direct Buried metal free micro duct , 24 way 5/3.5mm+1 way 12/10
LN-AW-DBMF8/6-1	Direct Buried metal free micro duct ,1 way , 8/6mm
LN-AW-DBMF8/6-2	Direct Buried metal free micro duct ,2 way , 8/6mm
LN-AW-DBMF8/6-4	Direct Buried metal free micro duct ,4 way , 8/6mm
LN-AW-DBMF8/6-7	Direct Buried metal free micro duct ,7 way , 8/6mm
LN-AW-DBMF8/6-12	Direct Buried metal free micro duct ,12 way , 8/6mm
LN-AW-DBMF10/8-1	Direct Buried metal free micro duct ,1 way ,10/8mm
LN-AW-DBMF10/8-2	Direct Buried metal free micro duct ,2 way ,10/8mm
LN-AW-DBMF10/8-4	Direct Buried metal free micro duct ,4 way ,10/8mm
LN-AW-DBMF10/8-7	Direct Buried metal free micro duct ,7 way ,10/8mm
LN-AW-DBMF12/10-1	Direct Buried metal free micro duct ,1 way ,12/10mm
LN-AW-DBMF12/10-2	Direct Buried metal free micro duct ,2 way ,12/10mm
LN-AW-DBMF12/10-4	Direct Buried metal free micro duct ,4 way ,12/10mm
LN-AW-DBMF12/10-7	Direct Buried metal free micro duct ,7 way ,12/10mm

Notice: The data in this document are only reference and will be changed without any notice.
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