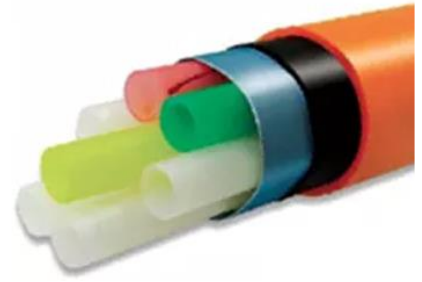


AirWave® Direct Bury Aluminum Microduct Assemblies

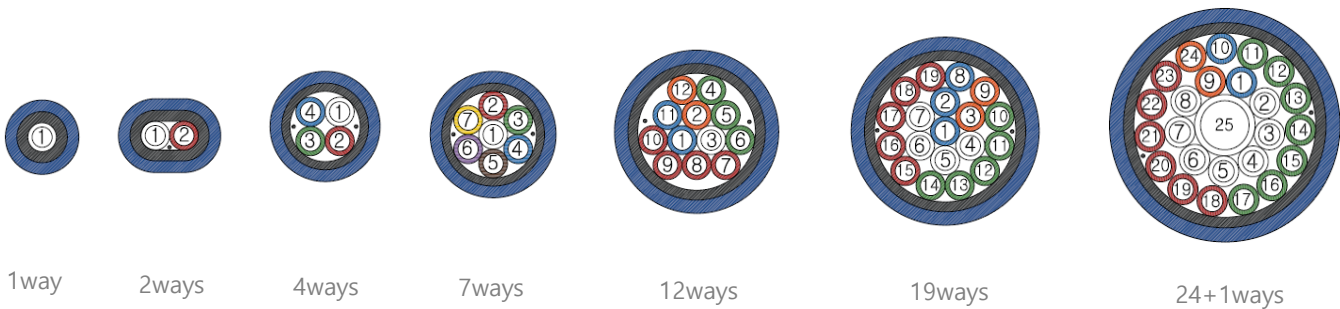
Introduction

AirWave® **Direct Bury Aluminum Microduct** Assemblies are suitable for fiber blowing with low friction inside the microducts. The microducts are surrounded by a moisture barrier made of Aluminum water blocking tape and a flexible sheath made of HDPE. The outer sheath is made of rugged PE, providing excellent protection from the outer physical environment. Thanks to its characteristics, potential damages by crushing, external impact, etc. can be prevented



Configurations & Colors

Microduct (primary tube): Polyethylene tube with Lenora standard colors
 Silicone coating and smooth or straight ribbed inner surface
 Moisture barrier: Aluminum water blocking tape
 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

7ways

12ways

19ways

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	12.4	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

AirWave® Direct Bury Aluminum Microduct Assemblies

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

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

AirWave® Direct Bury Aluminum Microduct Assemblies

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-DBAL-5/3.5-1	Direct Buried with ALUMINIUM tape microduct 1 way 5/3.5mm
LN-AW-DBAL-5/3.5-2	Direct Buried with ALUMINIUM tape microduct 2 way 5/3.5mm
LN-AW-DBAL-5/3.5-4	Direct Buried with ALUMINIUM tape microduct 4 way 5/3.5mm
LN-AW-DBAL-5/3.5-7	Direct Buried with ALUMINIUM tape microduct 7 way 5/3.5mm
LN-AW-DBAL-5/3.5-12	Direct Buried with ALUMINIUM tape microduct 12 way 5/3.5mm
LN-AW-DBAL-5/3.5-19	Direct Buried with ALUMINIUM tape microduct 19 way 5/3.5mm
LN-AW-DBAL-5/3.5-24	Direct Buried with ALUMINIUM tape microduct 24 way 5/3.5mm
LN-AW-DBAL-5/3.5-24+1/10	Direct Buried with ALUMINIUM tape microduct 24 way 5/3.5mm+1 way 10/8
LN-AW-DBAL-5/3.5-24+1/12	Direct Buried with ALUMINIUM tape microduct 24 way 5/3.5mm+1 way 12/10
LN-AW-DBAL-8/6-1	Direct Buried with ALUMINIUM tape microduct 1 way 8/6mm
LN-AW-DBAL-8/6-2	Direct Buried with ALUMINIUM tape microduct 2 way 8/6mm
LN-AW-DBAL-8/6-4	Direct Buried with ALUMINIUM tape microduct 4 way 8/6mm
LN-AW-DBAL-8/6-7	Direct Buried with ALUMINIUM tape microduct 7 way 8/6mm
LN-AW-DBAL-8/6-12	Direct Buried with ALUMINIUM tape microduct 12 way 8/6mm
LN-AW-DBAL-10/8-1	Direct Buried with ALUMINIUM tape microduct 1 way 10/8mm
LN-AW-DBAL-10/8-2	Direct Buried with ALUMINIUM tape microduct 2 way 10/8mm
LN-AW-DBAL-10/8-4	Direct Buried with ALUMINIUM tape microduct 4 way 10/8mm
LN-AW-DBAL-10/8-7	Direct Buried with ALUMINIUM tape microduct 7 way 10/8mm
LN-AW-DBAL-12/10-1	Direct Buried with ALUMINIUM tape microduct 1 way 12/10mm
LN-AW-DBAL-12/10-2	Direct Buried with ALUMINIUM tape microduct 2 way 12/10mm
LN-AW-DBAL-12/10-4	Direct Buried with ALUMINIUM tape microduct 4 way 12/10mm
LN-AW-DBAL-12/10-7	Direct Buried with ALUMINIUM tape microduct 7 way 12/10mm

Notice: The data in this document are only reference and will be changed without any notice.
This specification is intended as a guide only.