

AirWave® Low Smoke Zero Halogen Microduct Assemblies

Introduction

AirWave® Low Smoke Zero Halogen LSZH MICRODUCT (Indoor) LSZH microducts, each with low friction performance suitable for fiber blowing. The LSZH microduct is surrounded with a sheath of LSZH material, giving excellent performance in a fire. The lightweight, metal-free, flexible LSZH microduct is intended for indoor installation.

Indoor use with flame retardant properties (IEC 60332 Part 1&3)
 Low smoke emissions
 Contains no Halogens.
 Low friction internal coating for maximum fiber blowing distance



Technical Specification

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	80	14	60	450	1,000	500
1way	7.0	250	42	90	1,000	2,000	180
2way	12.4x7.4	480	80	90	1,000	1,000	130
4way	12.4x12.4	750	125	150	1,000	2,000	40
7way	17.4x16.1	1,100	184	200	1,000	2,000	32
12way	22.4x20.4	1,600	278	250	1,000	2,000	22
19way	27.4x24.7	2,400	400	300	1,000	2,000	18
24+1way	32.0x32.0	3,100	533	400	1,000	1,000	21

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	230	39	120	450	1,000	130
1way	12.4	630	105	150	1,000	1,000	104
2way	22.4x12.4	1,000	183	150	1,000	2,000	32
4way	22.4x22.4	1,800	301	270	1,000	2,000	21
7way	32.4x29.7	2,700	460	360	1,000	2,000	12

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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	280	48	150	450	2,000	66
1way	14.4	720	120	180	1,000	1,000	96
2way	26.4x14.4	1,200	211	180	1,000	2,000	24
4way	26.4x26.4	2,000	348	320	1,000	2,000	18
7way	38.4x35.2	3,100	533	430	1,000	1,000	14

Mechanical Performance Test compliance

Tensile Strength: IEC 60794-1-21 Method E1

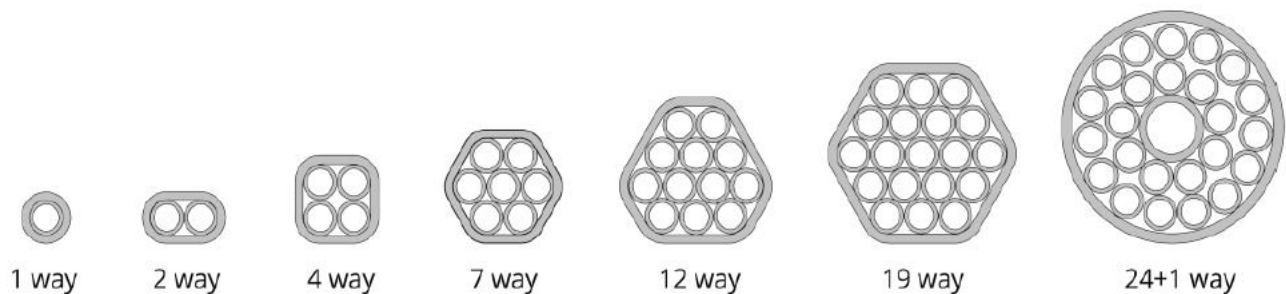
Bend: IEC 60794-1-21 Method E11

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



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.

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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-MDLZ-5/3.5-1	Low Smoke Zero Halogen micro duct ,1 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-2	Low Smoke Zero Halogen micro duct ,2 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-4	Low Smoke Zero Halogen micro duct ,4 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-7	Low Smoke Zero Halogen micro duct ,7 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-12	Low Smoke Zero Halogen micro duct ,12 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-19	Low Smoke Zero Halogen micro duct ,19 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-24	Low Smoke Zero Halogen micro duct ,24 way , 5/3.5mm
LN-AW-MDLZ-5/3.5-24+1/10	Low Smoke Zero Halogen micro duct , 24 way 5/3.5mm+1 way 10/8
LN-AW-MDLZ-5/3.5-24+1/12	Low Smoke Zero Halogen micro duct , 24 way 5/3.5mm+1 way 10/8
LN-AW-MDLZ-10/8-1	Low Smoke Zero Halogen micro duct ,1 way , 10/8mm
LN-AW-MDLZ-10/8-2	Low Smoke Zero Halogen micro duct ,2 way , 10/8mm
LN-AW-MDLZ-10/8-4	Low Smoke Zero Halogen micro duct ,4 way , 10/8mm
LN-AW-MDLZ-10/8-7	Low Smoke Zero Halogen micro duct ,7 way , 10/8mm
LN-AW-MDLZ-12/10-1	Low Smoke Zero Halogen micro duct ,1 way , 12/10mm
LN-AW-MDLZ-12/10-2	Low Smoke Zero Halogen micro duct ,2 way , 12/10mm
LN-AW-MDLZ-12/10-4	Low Smoke Zero Halogen micro duct ,4 way , 12/10mm
LN-AW-MDLZ-12/10-7	Low Smoke Zero Halogen micro duct ,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.