

Click on the part number to add the item to the shopping cart.

Armor-Weld™ Spatter Resistant Tubing



Armor-Weld™ Spatter Resistant, covered polyurethane weld tubing, manufactured by ATP, is specially designed for use in and around welding equipment or other severe-service applications. Armor-Weld™ is standard, ATP polyurethane tubing covered by an olefin, flame-resistant layer. Its ether-based material gives it excellent hydrolysis properties making it suitable for use in water piping, as well as pneumatic piping and vacuum applications.

Armor-Weld™ tubing can be bonded together to create an ideal, color-coded solution for supply and return lines in robotic welding applications. The covering is separate from the inner tube and is easily stripped. After covering is stripped, Armor-Weld™ can be used with standard Push-To-Connect type fittings.

Package Lengths

B = 250'
F = 100 Meters

Stock Color Chart: • = Stock, x = Non Stock

LE	BK	G	LB	R	Y	W
4mm/5/32	•	x	•	x	•	x
1/4	•	x	•	•	x	x
8mm/5/16	•	•	•	•	•	•
3/8	•	x	•	•	x	x
1/2	•	•	•	x	x	•
6mm	•	•	•	•	•	•
10mm	•	•	•	•	•	•
12mm	•	•	•	•	•	•

BK = Black G = Green LB = Light Blue
R = Red Y = Yellow W = White

Fractional Sizes

	Part number	Inner Tube O.D. (IN)	Inner Tube I.D. (IN)	Out Jacket Thickness (IN)	Bend Radius (IN)	W.P. @ 70° F (PSI)	3:1 Burst Pressure	Package Length	Package Weight (lbs)
SINGLE	LE532B_	.156	.094	.039	.40	200	600	250'	6.1
	LE14B_	.250	.156	.039	.59	180	540	250'	8.65
	LE516B_	.312	.187	.039	.79	175	525	250'	11.59
	LE38B_	.375	.250	.039	.98	150	450	250'	15.0
	LE12B_	.500	.328	.039	1.17	150	450	250'	23.2
BONDED	2LE532B_	.156	.094	.039	.40	200	600	250'	12.2
	2LE14B_	.250	.156	.039	.59	180	540	250'	17.3
	2LE516B_	.312	.187	.039	.79	175	525	250'	23.18
	2LE38B_	.375	.250	.039	.98	150	450	250'	30.8
	2LE12B_	.500	.328	.039	1.17	150	450	250'	46.4

_ Insert color designation into part number when ordering.

Part Numbering System

LE 12M F Y

LE Tubing
Tubing O.D.
Package Length
Tubing color
Insert color designation into part number when ordering

2LE 12M F Y

Bonded LE Tubing
Tubing O.D.
Package Length
Tubing color
Insert color designation into part number when ordering

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Features

Flame Resistant
Weld Spatter Resistant
Oil Resistant
UV Resistant
Kink Resistant
Abrasion Resistant
Custom Bonding Available
Custom Spiral Available
Ether-Based Polyurethane
Excellent Bend Radius

Specifications

Working Temperature:
-68°F To +140°F
Vacuum Rating:
To 28" Hg
Inside Tube:
Shore A 98
Outer Jacket Rating:
Meets UL94V0 Self
Extinguishing Requirements

Applications

Robotic Welding
Pneumatic Tools
Pneumatic Piping
Vacuum
Laboratories
Robotics
Motion Control
Instrumentation
Agriculture
Ship Piping
Chemical Plant
Lube Lines
Painting Systems

Armor-Weld™ Spatter Resistant Tubing Metric sizes on page 18

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Metric Sizes

	Part number	Inner Tube O.D.(mm)	Inner Tube I.D. (mm)	Out Jacket Thickness (mm)	Bend Radius (mm)	W.P. @ 70° F (PSI)	3:1 Burst Pressure	Package Length (m)	Package Weight (lbs)
Single	LE04M/532F_	4.0	2.5	1.0	10	200	600	100	8.0
	LE06MF_	6.0	4.0	1.0	15	180	540	100	10.0
	LE08M/516F_	8.0	5.0	1.0	20	175	525	100	15.2
	LE10MF_	10.0	6.5	1.0	25	150	450	100	21.6
	LE12MF_	12.0	8.0	1.0	30	150	450	100	28.0
Bonded	2LE04M/532F_	4.0	2.5	1.0	10	200	600	100	16.0
	2LE06MF_	6.0	4.0	1.0	15	180	540	100	20.0
	2LE08M/516F_	8.0	5.0	1.0	20	175	525	100	30.4
	2LE10MF_	10.0	6.5	1.0	25	150	450	100	43.2
	2LE12MF_	12.0	8.0	1.0	30	150	450	100	56.0
_ Insert color designation into part number when ordering.									