



MonoShield™ Single-Core Weld Tubing

Effective 03-25-2010

Self Extinguishing Single-Core Polyurethane Weld Tubing

Manufactured by ATP, MonoShield™ Weld tubing is specially designed for use in and around welding equipment or other severe- service applications. MonoShield™ is a 95 shore A Ether based, flame-resistant, polyurethane tubing. It's ether-based material gives it excellent hydrolysis properties making it suitable for use in water piping, as well as pneumatic piping and vacuum applications. It is the only self extinguishing tubing to date that meets the UL94V0 specifications. MonoShield™ Weld Tubing can be bonded together to create an ideal, color-coded solution for supply and return lines in robot welding applications. With no outer jacket to peel back, MonoShield™ allows for ease and speed of installation and can be used with standard push-to-connect type fittings. Custom spiraling is available. See reverse side for details.

FEATURES:

- Meets UL94V0 Self Extinguishing Requirements • Flame Resistant • Weld Spatter Resistant • Oil Resistant
- UV Resistant • Kink Resistant • Abrasion Resistant • Can Be Custom Bonded & Spiraled • Ether-Based PUR
- Excellent Bend Radius • Silicone-Free • Shore 95A • Light Weight

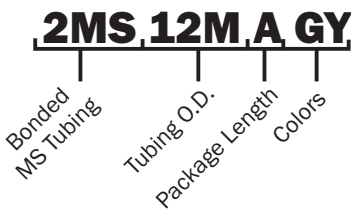
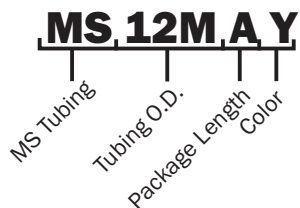
APPLICATIONS:

- Robot Welding • Spot Welding • Severe Service • Supply/Return Lines • Cooling Water

SPECIFICATIONS:

Working Temperature: -68°F to +140°F
 Vacuum Rating..... 28" Hg
 Meets UL94V0 Self Extinguishing Requirements

Part Numbering System



Package Lengths

- A..... 100 Feet
- B..... 250 Feet

Colors Available

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

Fractional Sizes

	Part Number	Tube O.D. (Inch)	Tube I.D. (Inch)	Bend Radius (Inch)	W.P. @ 70°F (PSI)	3:1 Burst Pressure	Tubing Weight (LB/Foot)	Package Length (Foot)
SINGLE	MS04M/532A__	5/32	3/32	0.500	200	600	.006	100
	MS04M/532B__	5/32	3/32	0.500	200	600	.006	250
	MS14A__	1/4	5/32	0.625	180	540	.01	100
	MS14B__	1/4	5/32	0.625	180	540	.01	250
	MS08M/516A__	5/16	3/16	0.750	175	525	.025	100
	MS08M/516B__	5/16	3/16	0.750	175	525	.025	250
	MS38A__	3/8	1/4	1.000	150	450	.031	100
	MS38B__	3/8	1/4	1.000	150	450	.031	250
	MS12A__	1/2	21/64	1.250	150	450	.061	100
	MS12B__	1/2	21/64	1.250	150	450	.061	250

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

Fractional Sizes Continue

	Part Number	Tube O.D. (Inch)	Tube I.D. (Inch)	Bend Radius (Inch)	W.P. @ 70 °F (PSI)	3:1 Burst Pressure	Tubing Weight (LB/Foot)	Package Length (Foot)
BONDED	2MS04M/532A__	5/32	3/32	0.500	200	600	.012	100
	2MS04M/532B__	5/32	3/32	0.500	200	600	.012	250
	2MS14A__	1/4	5/32	0.625	180	540	.02	100
	2MS14B__	1/4	5/32	0.625	180	540	.02	250
	2MS08M/516A__	5/16	3/16	0.750	175	525	.05	100
	2MS08M/516B__	5/16	3/16	0.750	175	525	.05	250
	2MS38A__	3/8	1/4	1.000	150	450	.062	100
	2MS38B__	3/8	1/4	1.000	150	450	.062	250
	2MS12A__	1/2	21/64	1.250	150	450	.122	100
2MS12B__	1/2	21/64	1.250	150	450	.122	250	

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

Metric Sizes

	Part Number	Tube O.D. (mm)	Tube I.D. (mm)	Bend Radius (mm)	W.P. @ 70 °F (PSI)	3:1 Burst Pressure	Tubing Weight (LB/Foot)	Package Length (Foot)
SINGLE	MS04M/532A__	4	2.5	12	200	600	.006	100
	MS04M/532B__	4	2.5	12	200	600	.006	250
	MS06MA__	6	4	16	180	540	.015	100
	MS06MB__	6	4	16	180	540	.015	250
	MS08M/516A__	8	5	20	175	525	.025	100
	MS08M/516B__	8	5	20	175	525	.025	250
	MS10MA__	10	6.5	25	150	450	.035	100
	MS10MB__	10	6.5	25	150	450	.035	250
	MS12MA__	12	8	30	150	450	.051	100
	MS12MB__	12	8	30	150	450	.051	250
	MS16MA__	16	13	55	110	330	.09	100
	MS16MB__	16	13	55	110	330	.09	250

BONDED	2MS04M/532A__	4	2.5	12	200	600	.012	100
	2MS04M/532B__	4	2.5	12	200	600	.012	250
	2MS06MA__	6	4	16	180	540	.03	100
	2MS06MB__	6	4	16	180	540	.03	250
	2MS08M/516A__	8	5	20	175	525	.05	100
	2MS08M/516B__	8	5	20	175	525	.05	250
	2MS10MA__	10	6.5	25	150	450	.07	100
	2MS10MB__	10	6.5	25	150	450	.07	250
	2MS12MA__	12	8	30	150	450	.101	100
	2MS12MB__	12	8	30	150	450	.101	250
	2MS16MA__	16	13	55	110	330	.18	100
	2MS16MB__	16	13	55	110	330	.18	250

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

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ATP Products are available from MARYLAND METRICS

P.O. Box 261 Owings Mills, MD 21117 USA

ph: (410)358-3130 (800)638-1830 fx: (410)358-3142 (800)872-9329

email: sales@mdmetric.com web: http://mdmetric.com RFQ form: http://mdmetric.com/rfq.htm

How to order: Please preface each ATP part number with 'R860-'

Example (using the part number): R860PU04M/532AC

Custom-Spiraled Single and/or Bonded Order Form

Copy This Form & Fax It

Custom-Spiraled Single and/or Bonded MonoShield™ Weld Tubing

In order for us to quote you properly, simply make a copy of this form, fill in your specifications and fax it to (800)872-9329. A drawing will be issued for your approval before production begins. Due to the very special nature of this product, no cancellations can be accepted once production begins.

Tube	1	2
OD		
Color		

Working Length:

Working Length is the distance the spiral needs to stretch between two points. Dimension will include tail lengths.

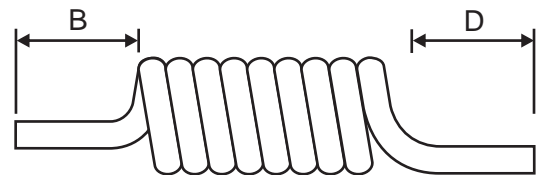
Tail Dimension B:

D:

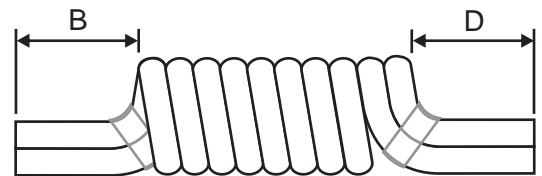
Quantity:

Swivel Fittings Supplied: Yes

No



Single Spiral



Twin Bonded Spiral

Contact Information

Contact _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-Mail _____