



Pneumatic Tubing WI-MK104

▶▶ *Connector*
Express Program



ENGINEERING YOUR SUCCESS.

Urethane - Fractional Sizes

95A Durometer. Pneumatic and Liquid Applications



Features

- Extreme Flexibility
- Reduced Bend Radius
- Moisture Resistant
- Abrasion Resistant
- Temperature Range: -40°F to +165°F (-40°C to +75°C). Working pressures are at +68°F (+20°C). Increased temperature reduces available pressure and vacuum.
- 3:1 Safety Factor

Applications/Markets

- Water & Pneumatic Lines
- Machines
- Tools
- Pneumatic Plumbing
- Pick & Place Automation

Fitting Information

Parker fittings from Fluid Systems Connectors are best used with this tubing. Refer to Parker fitting catalogs to confirm suitable tubing for Push-to-Connect fittings.

Part Number Note:	The first "X" in the part number needs to be replaced by.....	Standard Sizes "X" Package Code
		3 = 100' Coil 7 = 500' Spool 6 = 1000' Spool Note: In 1/2" OD the "7" is a 250' spool.
	The second "X" in the part number needs to be replaced by.....	Standard Sizes "X" Color Code
		Refer to Colour Chart

Part Number Chart

Part Number	OD (in)	ID (in)	Wall (in)	Approx Wt (lbs/ft)	Max Rec WP (psi) @ 68°F	Max Rec WP (psi) @ 125°F	Std Pack Qty (ft)	Package C = Coil S = Spool
6X22X	1/8	0.062	0.031	.005	267	160	100/500/1000	C/S/S
6X25X	5/32	0.093	0.031	.006	167	100	100/500/1000	C/S/S
6X33X	3/16	0.107	0.040	.010	200	120	100/500/1000	C/S/S
6X44X	1/4	0.170	0.040	.014	133	80	100/500	C/S
6645X	1/4	0.170	0.040	.014	133	80	1000	S
6X46X	1/4	0.125	0.062	.019	267	160	100/500/1000	C/S/S
6X66X	3/8	0.250	0.062	.021	133	80	100/500	C/S
6667X	3/8	0.250	0.062	.021	133	80	1000	S
6X87X	1/2	0.320	0.090	.060	150	90	100/250/1000	C/S/S
6X88X	1/2	0.375	0.062	.051	133	75	100/250	C/S

Urethane - Fractional Sizes

95A Durometer Ether Based Urethane

•	Stockable item available from a Cdn PSC
Blank	Orderable item with Standard Lead Time

Size (OD x ID)	Std Pkg Qty	0 CLR	1 BLK	2 RED	3 BLU	4 GRN	5 YLW	6 ORG	7 GRA	9 WHT	15 TRN YLW	12 TRN RED	13 TRN BLU	14 TRN GRN	16 TRN ORG
1/8" x 1/16"	100'	•	•	•	•	•	•	•			•	•	•		
	500'			•	•	•	•	•			•	•	•		
	1000'			•	•	•	•	•			•	•	•		
5/32" x 3/32"	100'	•	•	•	•	•	•	•			•	•	•		
	500'			•	•	•	•	•			•	•	•		
	1000'	•	•	•	•	•	•	•			•	•	•		
3/16" x .107"	100'	•	•	•	•	•	•	•			•	•	•		
	500'			•	•	•	•	•			•	•	•		
	1000'			•	•	•	•	•			•	•	•		
1/4" x .170"	100'	•	•	•	•	•	•	•			•	•	•	•	
	500'	•	•	•	•	•	•	•			•	•	•	•	
	1000'	•	•	•	•	•	•	•			•	•	•	•	
3/8" x 1/4"	100'	•	•	•	•	•	•	•			•	•	•	•	
	500'	•	•	•	•	•	•	•			•	•	•	•	
	1000'	•	•	•	•	•	•	•			•	•	•	•	
1/2" x 5/16"	100'	•	•	•	•	•	•	•			•	•	•	•	
	250'	•	•	•	•	•	•	•			•	•	•	•	
	1000'			•	•	•	•	•			•	•	•	•	
1/2" x 3/8"	100'	•	•	•	•	•	•	•			•	•	•	•	
	250'	•	•	•	•	•	•	•			•	•	•	•	



Urethane - Metric Sizes

95A Durometer. Pneumatic and Liquid Applications



Features

- Extreme Flexibility
- Reduced Bend Radius
- Moisture Resistant
- Abrasion Resistant
- Temperature Range:
-40°F to +165°F (-40°C to +75°C). Working pressures are at +68°F (+20°C). Increased temperature reduces available pressure and vacuum.
- 3:1 Safety Factor

Applications/Markets

- Water & Pneumatic Lines
- Machines
- Tools
- Pneumatic Plumbing
- Pick & Place Automation

Fitting Information

Parker fittings from Fluid Systems Connectors are best used with this tubing. Refer to Parker fitting catalogs to confirm suitable tubing for Push-to-Connect fittings.

Part Number Note:	The first "X" in the part number needs to be replaced by.....	Metric Sizes "X" Package Code
		3 = 100' Coil 6 = 500' Spool 9 = 1000' Spool
	The second "X" in the part number needs to be replaced by.....	Metric Sizes "X" Color Code
		Refer to Colour Chart (see ** note below)

Part Number Chart

Part Number	OD (mm)	ID (mm)	Wall (mm)	Approx Wt (lbs/ft)	Max Rec WP (psi) @ 68°F	Max Rec WP (psi) @ 125°F	Std Pack Qty (ft)	Package C = Coil S = Spool B = Box
7X03X	4	2.5	0.75	.006	167	100	100/500/1000	C/S/S
7X05X	5	3	1	.010	167	100	100/500/1000	C/S/S
7X06X	6	4	1	.013	133	80	100/500/1000	C/S/S
7X08X	8	6	1	.018	97	58	100/500/1000	C/S/S
7X10X	10	6.5	1.75	.036	150	90	100/500/1000	C/S/S
7X13X	12	9	1.5	.040	97	58	100/500/1000	C/S/S
1025U14R09 95**	14	9.5	2.25	.043	97	58	25 metre	B
1025U16R0 11**	16	11	2.5	.045	97	58	25 metre	B

** IMPORTANT: These part numbers specifically refer to "Clear" as a color. Color codes from Legris are different.

Urethane - Metric Sizes

95A Durometer Ether Based Urethane

•	Stockable item available from a Cdn PSC
Blank	Orderable item with Standard Lead Time

Size (OD x ID)	Std Pkg Qty	Color															
		0 CLR	1 BLK	2 RED	3 BLU	4 GRN	5 YLW	6 ORG	7 GRA	9 WHT	15 TRN YLW	12 TRN RED	13 TRN BLU	14 TRN GRN	16 TRN ORG		
4mm x 2.5mm	100'	•	•	•	•	•							•				
	500'	•	•	•	•								•				
	1000'																
6mm x 4mm	100'	•	•	•	•								•				
	500'	•	•	•	•								•				
	1000'																
8mm x 6mm	100'	•	•	•	•								•				
	500'	•	•	•	•								•				
	1000'																
10mm x 6.5mm	100'	•	•	•	•								•				
	500'	•	•	•	•								•				
	1000'																
12mm x 9mm	100'	•	•	•	•								•				
	500'																
	1000'																
14mm x 9.5	25M																
16mm x 11	25M																



Nylon - Fractional Sizes

Flexible (semi-rigid). Pneumatic and Liquid Applications



Features

- Flexible
- Good Chemical Resistance
- Low Moisture Absorption
- Superior Dimensional Stability
- 3:1 Safety Factor
- Temperature Range:
-40°F to +200°F (-40°C to +93°C). Working pressures are at +68°F (+20°C). Increased temperature reduces available pressure and vacuum.

Applications/Markets

- Water & Pneumatic Lines
- Machines
- Tools
- Pneumatic Plumbing
- Pick & Place Automation
- Mild Chemical

Fitting Information

Parker fittings from Fluid Systems Connectors are best used with this tubing. Refer to Parker fitting catalogs to confirm suitable tubing for Push-to-Connect fittings.

Part Number Note: The first "X" in the part number needs to be replaced by..... <i>Common fact: For 5/16" OD many use Metric Size 8mm OD!</i>	Standard Sizes "X" Package Code
	1 = 100' Coil 5 = 500' Spool 0 = 1000' Spool Note: In 1/2" OD "8" is a 250' spool.
The second "X" in the part number needs to be replaced by.....	Standard Sizes "X" Color Code
	Refer to Colour Chart

Part Number Chart

Part Number	OD (in)	ID (in)	Wall (in)	Approx Wt (lbs/ft)	Max Rec WP (psi) @ 68°F	Max Rec WP (PSI) @ 125°F	Std Pack Qty (ft)	Package C = Coil S = Spool
6X21X	1/8	.080	.023	.003	500	350	100/500/1000	C/S/S
6X22X	1/8	.093	.016	.002	267	187	100/500/1000	C/S/S
6X23X	5/32	.106	.025	.005	333	233	100/500/1000	C/S/S
6X33X	3/16	.137	.025	.006	267	187	100/500/1000	C/S/S
6X44X	1/4	.180	.035	.011	333	233	100/500/1000	C/S/S
6X46X	1/4	.125	.062	.017	667	467	100/500/1000	C/S/S
6X47X	1/4	.170	.040	.012	400	280	100/500/1000	C/S/S
6X55X	5/16	.233	.040	.016	333	233	100/500/1000	C/S/S
6X66X	3/8	.275	.050	.023	333	233	100/500/1000	C/S/S
6X88X	1/2	.375	.062	.039	267	187	100/250/1000	C/S/S

Nylon - Fractional Sizes

Flexible (semi-rigid)

•	Stockable item available from a Cdn PSC
Blank	Orderable item with Standard Lead Time

Size (OD x ID)	Std Pkg Qty	0 NAT	1 BLK	2 RED	3 BLU	4 GRN	5 YLW	6 ORG	7 GRA
1/8" x .080	100'	•	•	•	•				
	500'		•	•	•				
	1000'								
5/32" x .106"	100'	•	•	•	•	•	•		
	500'								
	1000'	•		•	•	•	•	•	•
1/4" x .180"	100'	•	•	•	•	•	•		
	500'	•	•	•	•	•	•		
	1000'	•	•	•	•	•	•		
1/4" x .170"	100'	•	•	•	•	•	•		
	500'	•	•	•	•	•	•		
	1000'								
3/8" x .275"	100'	•	•	•	•	•	•		
	500'	•	•	•	•	•	•		
	1000'	•	•	•	•	•	•		
1/2" x .375"	100'	•	•	•	•	•	•		
	500'	•	•						
	1000'	•	•		•				



Nylon - Metric Sizes

Flexible (semi-rigid). Pneumatic and Liquid Applications



Features

- Flexible
- Good Chemical Resistance
- Low Moisture Absorption
- Superior Dimensional Stability
- 3:1 Safety Factor
- Temperature Range:
-40°F to +200°F (-40°C to +93°C). Working pressures are at +68°F (+20°C). Increased temperature reduces available pressure and vacuum.

Applications/Markets

- Water & Pneumatic Lines
- Machines
- Tools
- Pneumatic Plumbing
- Pick & Place Automation
- Mild Chemical

Fitting Information

Parker fittings from Fluid Systems Connectors are best used with this tubing. Refer to Parker fitting catalogs to confirm suitable tubing for Push-to-Connect fittings.

Part Number Note:	The first "X" in the part number needs to be replaced by.....	Metric Sizes "X" Package Code
		1 = 100' Coil 4 = 500' Spool 7 = 1000' Spool
	The second "X" in the part number needs to be replaced by.....	Metric Sizes "X" Color Code
		Refer to Colour Chart (see ** note below)

Part Number Chart

Part Number	OD (mm)	ID (mm)	Wall (mm)	Approx Wt (lbs/ft)	Max Rec WP (psi) @ 68°F	Max Rec WP (PSI) @ 125°F	Std Pack Qty (ft)	Package C = Coil S = Spool B = Box
7X04X	4	2.7	.65	.004	367	257	100/500/1000	C/S/S
7X02X	4	2	1	.007	667	467	100/500/1000	C/S/S
7X05X	5	3	1	.009	500	350	100/500/1000	C/S/S
7X06X	6	4	1	.011	400	280	100/500/1000	C/S/S
7X08X	8	6	1	.016	283	198	100/500/1000	C/S/S
7X11X	10	8	1	.020	200	140	100/500/1000	C/S/S
7X10X	10	7.5	1.25	.025	267	187	100/500/1000	C/S/S
7X12X	12	9.5	1.25	.030	233	163	100/500/1000	C/S/S
7X16X	14	12	1	.036	133	93	100	C
1025P16 00 13**	16	13	1.5	.042	133	93	25M	B

** IMPORTANT: This part number specifically refer to "Natural" as a color. Color codes from Legris are different.

Nylon - Metric Sizes

Flexible (semi-rigid)

•	Stockable item available from a Cdn PSC
Blank	Orderable item with Standard Lead Time

Size (OD x ID)	Std Pkg Qty	0 NAT	1 BLK	2 RED	3 BLU	4 GRN	5 YLW	6 ORG	7 GRA
4mm x 2.7mm	100'	•	•	•	•				
	500'	•	•		•				
	1000'								
6mm x 4mm	100'	•	•	•	•				
	500'	•	•	•	•				
	1000'								
8mm x 6mm	100'	•	•	•	•				
	500'	•	•	•	•				
	1000'								
10mm x 8mm	100'	•	•	•	•				
	500'								
	1000'								
12mm x 9.5mm	100'	•	•	•	•				
	500'								
	1000'								
14mm x 12mm	100'	•							
	500'								
	1000'								
16mm x 13mm	25M								



Polyethylene - Fractional & Metric Sizes

Pneumatic and Liquid Applications

Series E: Instrument Grade - FDA, NSF Listed

Series EB: Ultraviolet Light Resistant



Features

- Flexible
- Good Chemical Resistance
- High Molecular Weight Resin provides increased dimensional stability, uniformity and long-term strength
- Economical system solution
- 4:1 Safety Factor
- Temperature Range:
-80°F to +150°F (-62°C to +66°C). Working pressures are at +68°F (+20°C). Increased temperature reduces available pressure and vacuum.

Certifications

- FDA compliant for food contact
- ASTM D-1693 (10% IGEPAL) for stress crack resistance
- NSF-51
- NSF-61

Applications/Markets

- Potable water
- Chemical transfer
- Low-pressure pneumatics



Fitting Information

Parker fittings from Fluid Systems Connectors are best used with this tubing. Refer to Parker fitting catalogs to confirm suitable tubing for Push-to-Connect fittings.

Notes:

- FDA, NSF-51 and NSF-61 compliant black polyethylene tubing is also available as an orderable item, (standard black part numbers listed above are industrial grade). Add -NSF suffix to the EB part number (ie. EB-64-0500-NSF)
- E series natural and colored tubing meet FDA, NSF-51 requirements for food contact applications and NSF-61 for potable water
- Resistant to environmental stress cracking exceeding that of ordinary polyethylene tubing as measured by ASTM D-1693 (10% IGEPAL)
- Black (EB) tubing contains an ultraviolet inhibitor which is recommended for use in sunlit areas and in close proximity to high ultraviolet light sources
- All tubing conforms to ASTM D-1248, Type I, Class A, Category 4, Grade E5
- The recommended operating temperature range for service at rated pressures with compatible fluids is -80°F to +150°F (-62°C to +66°C)

Polyethylene - Fractional & Metric Sizes

•	Stockable item available from a Cdn PSC
Blank	Orderable item with Standard Lead Time

Size (OD x ID)	Std Pkg Qty	E NAT	EB BLK	E+ R	E+ B	E+ G	E+ Y	E+ O	E+ GRA	E+ P	E+ WHT
1/4" x .170"	100'	•	•	•	•						
	500'	•	•		•						
	1000'	•	•		•						
5/16" x 3/16"	100'	•	•								
	500'		•								
3/8" x 1/4"	100'	•	•	•	•						
	500'	•	•	•	•						
1/2" x 3/8"	100'	•	•								
	500'	•	•	•	•						
5/8" x 1/2"	100'	•	•								
6 x 4mm	100'	•									
8 x 6mm	100'	•	•								
10 x 7mm	100'	•									
12 x 9mm	100'	•									

Part Number Note:	The first "X" in the part number needs to be replaced by.....	"X" Colour Code
		Refer to Colour Chart
The second "X" in the part number needs to be replaced by.....		"X" Package Code
		0100 = 100' Coil 0500 = 500' Spool 1000 = 1000' Spool

Fractional Part Number Chart

Natural and Colour Part Number	Black Part Number	OD (in or mm)	ID (in or mm)	Wall (in or mm)	Approx Wt (lbs/ft)	Max Rec WP (psi) @ 68°F	Std Pack Qty (ft)	Package B = Box
E-43-X-XXXX	EB-43-XXXX	1/4	.170	.040	.011	120	100/500/1000	B
E-53-X-XXXX	EB-53-XXXX	5/16	.187	.062	.020	145	100/500	B
E-64-X-XXXX	EB-64-XXXX	3/8	.250	.062	.025	125	100/500	B
E-86-X-XXXX	EB-86-XXXX	1/2	.375	.062	.034	90	100/500	B
E-108-X-0100	EB-108-XXXX	5/8	.500	.062	.044	70	100	B

Metric Part Number Chart

E-6X1-0100	EB-6X1-0100	6	4	1.0	.013	125	100	B
E-8X1-0100	EB-8X1-0100	8	6	1.0	.014	100	100	B
E-10X1-0100	EB-10X1-0100	10	7	1.5	.026	125	100	B
E-12X1-0100	EB-12X1-0100	12	9	4.5	.032	100	100	B

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