

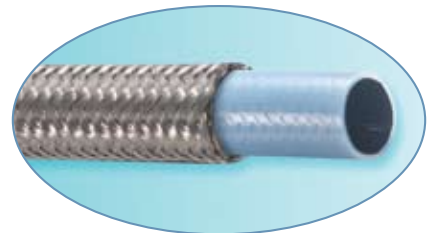
TH Series

Chemfluor® PTFE Fluoropolymer Conductive Smooth Inner Tube

Densely Packed High Tensile 304 Stainless Steel Braid • High Pressure (5000 psi)

applications	common media	features & benefits
<ul style="list-style-type: none"> • Ground support equipment • Styrofoam manufacturing • High pressure machinery • Tube trailer loading/unloading • External aircraft starting • Fluid transfer 	<ul style="list-style-type: none"> • Hydraulic fluid • High pressure compressed gases 	<ul style="list-style-type: none"> • <i>Non-aging hose for high pressure hydraulic or pneumatic applications</i> <ul style="list-style-type: none"> - Pressure rated to 5000 psi regardless of ID size • <i>Flexible</i> • <i>Chemical and moisture resistant</i> • <i>Low volumetric expansion</i> • <i>Minimizes pressure drop loss</i> • <i>Anti-kink stainless steel armor available (recommended)</i> • <i>Firesleeve also available (see page 79)</i>

engineering specifications	details												
<p>average length</p> <table border="0"> <tr><td>1/4"</td><td>40'</td></tr> <tr><td>3/8"</td><td>40'</td></tr> <tr><td>1/2"</td><td>50'</td></tr> <tr><td>5/8"</td><td>30'</td></tr> <tr><td>3/4"</td><td>20'</td></tr> <tr><td>1"</td><td>20'</td></tr> </table> <p>temperature rating</p> <ul style="list-style-type: none"> • -65°F to +400°F • -54°C to +204°C 	1/4"	40'	3/8"	40'	1/2"	50'	5/8"	30'	3/4"	20'	1"	20'	<p>construction</p> <ul style="list-style-type: none"> • Inner Tube: Chemfluor® PTFE black electrostatic dissipating conductive • Reinforcement: Densely packed high tensile 304 stainless steel wire braid <ul style="list-style-type: none"> - Reinforcement design varies by size <p> fittings</p> <ul style="list-style-type: none"> • PermaSeal® crimp-style • Large selection of standard fittings <ul style="list-style-type: none"> - J.I.C. female swivel (Style 02) - Male NPT (Style 03) - Female NPT (Style 06) - J.I.C. adapter union male (Style 08) - O-Ring (Style 33) • Note: Only those fittings that correspond in nominal size to the six sizes in the TH Series can be used
1/4"	40'												
3/8"	40'												
1/2"	50'												
5/8"	30'												
3/4"	20'												
1"	20'												



TH

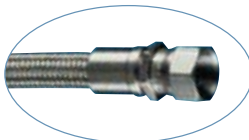
TH Series hose specifications

! Important:
Burst pressure ratings at ambient 70°F (21°C).

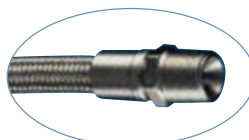
Part Number	Nominal Hose Size	Inside Diameter		Outside Diameter		Maximum Working Pressure		Minimum Burst Pressure		Bend Radius		Weight	
		in.	mm	in.	mm	PSI	Mpa	PSI	Mpa	in.	mm	lb./ft.	kg/m
1704TH000	1/4	0.22	5.4	0.38	9.3	4375	30.17	17500	120.69	1.50	36.8	0.11	0.16
1706TH000	3/8	0.31	7.6	0.47	11.5	4100	28.28	16400	113.10	2.50	61.3	0.18	0.27
1708TH000	1	0.40	9.8	0.60	14.7	4100	28.28	16400	113.10	2.90	71.1	0.24	0.36
1710TH000	5/8	0.49	12.0	0.71	17.4	4000	27.59	16000	110.34	3.30	80.9	0.33	0.49
1712TH000	3/4	0.62	15.2	0.97	23.8	4500	31.03	18000	124.14	4.00	98.0	0.66	0.98
1716TH000	1	0.87	21.3	1.25	30.6	3125	21.55	12500	86.21	5.00	122.5	1.02	1.52

CRN available on all sizes

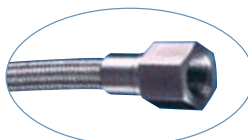
TH Series fitting options



J.I.C. Female Swivel Style 02



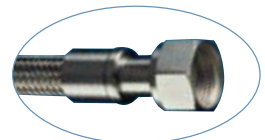
Male NPT Style 03



Female NPT Style 06



J.I.C. Adapter Union Male Style 08



O-Ring Style 33