

C14CT Teflon® Hose—SAE 100R14 Type B—Conductive



Recommended For: Air compressor discharge, hot oil and fluids, hot and greasy environments.

Cover/Reinforcement: One braid of 300 Series stainless steel wire.

Temperature Range: Dynamic: -65°F to +400°F (-54°C to +204°C).
Static: -65°F to +450°F (-54°C to +232°C).

C14CT Tube: Type B-Conductive black/white smooth bore PTFE. See Hose Stock Characteristics.

Coupling Recommendation (See Crimp Data Manual 35019):
C14 Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	72°F (22°C)	72°F (22°C)	450°F (232°C)	450°F (232°C)	Packaging	Standard Pack
6C14CTXCTN*	7752-3600	5/16	0.45	1,500	8,000	4.0	2,500	10,000	1,500	6,000	L	300
8C14CTXCTN*	7752-3800	13/32	0.55	1,000	6,000	5.3	2,000	8,000	1,000	4,000	L	250

NOTE: Electrostatic Discharge: Many applications involving PTFE hose do not require a conductive tube. But you must review the potential for electrostatic discharge for every application and be aware that static electricity can be hazardous. In those cases where electrostatic discharge can occur, conductive PTFE hose with a conductive tube (Gates C14CT) is recommended. For more information on electrostatic discharge, refer to Technical Data Section.

* Type B-Conductive Tube.

† Teflon® is a Registered Trademark of DuPont.

Thermoplastic

TH8 Hydraulic Hose—SAE 100R8

Recommended For: Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8NC hose (orange cover) meets SAE 100R8 non-conductivity requirements. TH8 and TH8NC hoses meet or exceed performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

Tube: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

Reinforcement: Two polyester braids.

Cover: Black or orange urethane resists hydraulic fluids, high temperatures, aging and weather. TH8NC (orange) is non-perforated for applications requiring electrical non-conductivity. TH8NC meets SAE 100R8 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose). Black cover is perforated for use in general hydraulic and pneumatic service.

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):

MegaCrimp® Couplings (-4 through -16)
Swage PCTS Permanent Couplings (-3 only)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
3TH8XCTN	4467-1178	3/16	0.50	5,000	20,000	1.5	N	250
4TH8XCTN	4467-1179	1/4	0.61	5,000	20,000	2.0	N	250
6TH8XCTN	4467-1181	3/8	0.75	4,000	16,000	2.5	N	250
8TH8XCTN	4467-1183	1/2	0.87	3,500	14,000	4.0	N	250
12TH8XCTN	4467-1184	3/4	1.13	2,250	9,000	6.5	N	200
16TH8XCTN	4467-1185	1	1.45	2,000	8,000	10.0	N	200





TH8NC Non Conductive Hydraulic Hose—SAE 100R8

Thermoplastic

Recommended For: Use with petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH8NC hose (orange cover) meets SAE 100R8 non-conductivity requirements. TH8 and TH8NC hoses meet or exceed performance requirements of SAE 100R8 with a significantly tighter bend radius. Multiline available.

Tube: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

Reinforcement: Two polyester braids.

Cover: Black or orange urethane resists hydraulic fluids, high temperatures, aging and weather. TH8NC (orange) is non-perforated for applications requiring electrical non-conductivity. TH8NC meets SAE 100R8 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose). Black cover is perforated for use in general hydraulic and pneumatic service.

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):
MegaCrimp® Couplings



Description	Product No.	⌀	OD	Weight	Length	Radius	Packaging	Standard Pack
4TH8NCXCTN	4467-1186	1/4	0.61	5,000	20,000	2.0	N	250
6TH8NCXCTN	4467-1204	3/8	0.75	4,000	16,000	2.5	N	250
8TH8NCXCTN	4467-1189	1/2	0.87	3,500	14,000	4.0	N	250

TH7 Hydraulic Hose—SAE 100R7

Thermoplastic

Recommended For: Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7 hoses meet or exceed performance requirements of SAE 100R7 with a significantly tighter bend radius.

Tube: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

Reinforcement: Braided synthetic fiber (-2, -8, -12 and -16). Spiraled synthetic fiber (-3, -4, -5 and -6).

Cover: Black polyurethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7 is perforated for use in general hydraulic and pneumatic service.

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):

MegaCrimp® Couplings
Swage PCTS Permanent Couplings (-2 and -3)



Description	Product No.	⌀	OD	Weight	Length	Radius	Packaging	Standard Pack
2TH7XCTN	4467-1154	1/8	0.32	3,000	12,000	.5	N	250
3TH7XCTN	4467-1155	3/16	0.41	3,000	12,000	.8	N	250
4TH7XCTN	4467-1157	1/4	0.50	2,750	11,000	1.3	N	250
5TH7XCTN	4467-1159	5/16	0.56	2,500	10,000	1.8	N	250
6TH7XCTN	4467-1161	3/8	0.64	2,250	9,000	2.0	N	250
8TH7XCTN	4467-1207	1/2	0.80	2,000	8,000	3.0	N	250
12TH7XCTN	4467-1165	3/4	1.05	1,250	5,000	5.0	N	200
16TH7XCTN	4467-1196	1	1.32	1,000	4,000	10.0	N	200



Thermoplastic

TH7NC Non Conductive Hydraulic Hose—SAE 100R7



Recommended For: Petroleum and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NC meets SAE 100R7 non-conductivity requirements. TH7NC hose meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-3 to -8).

Tube: -2, -12, and -16: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol; -3 through -8 Polyester. See Hose Stock Characteristics.

Reinforcement: Braided synthetic fiber (except -2: Spiraled synthetic fiber).

Cover: Orange urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NC is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose).

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):

MegaCrimp® Couplings
Swage PCTS Permanent Couplings (-2 and -3)



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
2TH7NCXCTN	4467-1166	1/8	0.32	3,000	12,000	.5	N	250
3TH7NCXCTN	4467-1167	3/16	0.41	3,000	12,000	.8	N	250
4TH7NCXCTN	4467-1169	1/4	0.50	2,750	11,000	1.3	N	250
5TH7NCXCTN	4467-1171	5/16	0.56	2,500	10,000	1.8	N	250
6TH7NCXCTN	4467-1173	3/8	0.64	2,250	9,000	2.0	N	250
8TH7NCXCTN	4467-1175	1/2	0.80	2,000	8,000	3.0	N	250
12TH7NCXCTN	4467-1177	3/4	1.05	1,250	5,000	5.0	N	200
16TH7NCXCTN	4467-1198	1	1.32	1,000	4,000	10.0	N	200

Thermoplastic

TH7DL Dual Line Hydraulic Hose—SAE 100R7

Recommended For: Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. TH7DL hoses meet or exceed performance requirements of SAE 100R7 with significantly tighter bend radius.

Tube: 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol. See Hose Stock Characteristics.

Reinforcement: Spiraled synthetic fiber.

Cover: Black polyurethane that resists hydraulic fluids, high temperatures, aging and weathering. Black TH7DL is perforated for use in general hydraulic and pneumatic service.

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):

MegaCrimp® Couplings



Description	Product No.	⊖	⊕	⊙	⊚	⊛	Packaging	Standard Pack
4TH7DLXCTN	4472-0220	1/4	0.50	2,750	11,000	1.3	N	250
5TH7DLXCTN	4472-0221	5/16	0.56	2,500	10,000	1.8	N	250
6TH7DLXCTN	4472-0223	3/8	0.64	2,250	9,000	2.0	N	250
8TH7DLXCTN	4472-0224	1/2	0.80	2,000	8,000	3.0	N	250



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TH7NCDL Non Conductive Dual Line Hydraulic Hose—SAE 100R7

Thermoplastic

Recommended For: Petroleum, water base and synthetic hydraulic fluids. Applications include: power and telephone mobile equipment (cherry pickers), lubrication lines, blowout preventer control lines, hydraulic lifts and farm and construction machinery. Orange color TH7NCDL meets SAE 100R7 non-conductivity requirements. TH7NCDL hose meets or exceeds performance requirements of SAE 100R7 with significantly tighter bend radius.

Tube: Polyester.

Reinforcement: Braided synthetic fiber.

Cover: Orange urethane that resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NCDL is non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R7 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75 kV/Ft. for five minutes. (Orange is industry accepted color for non-conductive hose.)

Temperature Range: -65°F to +200°F (-54°C to +93°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water, water/oil emulsions and water glycol.

Coupling Recommendation (See Crimp Data Manual 35019):
MegaCrimp® Couplings



Description	Product No.	⊖	∅	⊙	⊙	⊙ _R	Packaging	Standard Pack
4TH7NCDLXCTN	4472-0225	1/4	0.50	2,750	11,000	1.3	N	250
6TH7NCDLXCTN	4472-0227	3/8	0.64	2,250	9,000	2.0	N	250
8TH7NCDLXCTN	4472-0229	1/2	0.80	2,000	8,000	3.0	N	250

TH18 Constant Pressure Non Conductive Hydraulic Hose—SAE 100R18

Thermoplastic

Recommended For: TH18 hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18 is ideal for industrial and agricultural applications exposed to low temperatures or cyclic and quick temperature changes. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

Tube: Polyester elastomer.

Reinforcement: One band of synthetic fiber.

Cover: Special polyester, black, perforated.

Temperature Range: -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

Coupling Recommendation (See Crimp Data Manual 35019):
MegaCrimp® Couplings with TuffCoat™ plating.



Description	Product No.	⊖	∅	⊙	⊙	⊙ _R	Packaging	Standard Pack
4TH18XCTN	4467-0006	1/4	0.48	3,000	12,000	1.4	N	250
5TH18XCTN	4467-0007	5/16	0.56	3,000	12,000	1.8	N	250
6TH18XCTN	4467-0008	3/8	0.65	3,000	12,000	1.8	N	250
8TH18XCTN	4467-0009	1/2	0.89	3,000	12,000	2.8	N	250
10TH18XCTN	4467-0010	5/8	1.03	3,000	12,000	3.9	N	250



Thermoplastic

TH18NC Constant Pressure Non Conductive Hydraulic Hose—SAE 100R18



Recommended For: TH18NC hose meets or exceeds performance requirements of SAE 100R18 with a significantly tighter bend radius. Suitable for petroleum or synthetic-based hydraulic fluids in hydraulic systems. TH18NC non-conductive hoses are suitable for use in high-voltage applications. Remains highly flexible in cold weather conditions and is resistant to hydraulic fluids, high temperatures, aging and weathering.

Tube: Polyester elastomer.

Reinforcement: Two bands of synthetic fiber.

Cover: Special polyester, orange (industry-accepted color for non-conductive hose), non-perforated for applications requiring electrical non-conductivity. Meets SAE 100R18 Electrical Conductivity Test. Maximum leakage shall not exceed 50 microamperes when subjected to 75kV/ft for five minutes.

Temperature Range: -67°F to +212°F (-55°C to +100°C) continuous service for petroleum and synthetic oils. Maximum of +158°F (+70°C) for water-based fluids.

Coupling Recommendation (See Crimp Data Manual 35019):
MegaCrimp® Couplings with TuffCoat™ plating.



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
4TH18NCXCTN	4467-0011	1/4	0.48	3,000	12,000	1.4	N	250	
5TH18NCXCTN	4467-0012	5/16	0.56	3,000	12,000	1.8	N	250	
6TH18NCXCTN	4467-0013	3/8	0.65	3,000	12,000	1.8	N	250	
8TH18NCXCTN	4467-0014	1/2	0.89	3,000	12,000	2.8	N	250	
10TH18NCXCTN	4467-0015	5/8	1.03	3,000	12,000	3.9	N	250	

Refrigerant

PolarSeal® Hose

(SAE J51, Type A2 Dimensions; SAE J51, Type D Performance; SAE J2064, Type C, Class II Performance).

Recommended For: Liquid and gaseous R134a and R12 refrigerants in automotive air conditioning and industrial systems; i.e., tractors, construction trucks, mobile and stationary refrigeration units. Designed to minimize permeation of R134a refrigerant.

Tube: Black, synthetic rubber (Chloroprene - Type A). See Hose Stock Characteristics.

Reinforcement: Two layers of spiral polyester.

Cover: Black synthetic rubber (EPDM). See Hose Stock Characteristics.

Temperature Range: -22°F to +257°F (-30°C to +125°C).

Barrier: Nylon liner.

Coupling Recommendation (See Crimp Data Manual 35019):
Permanent PolarSeal® (ACA) Couplings



Description	Product No.	⊖	⊕	⊙	⊙	⊙	⊙	Packaging	Standard Pack
6AC134AXREEL	3353-0903	5/16	0.75	500	2,000	2.0	24	N	340
8AC134AXREEL	3353-0908	13/32	0.91	500	2,000	3.0	24	N	235
10AC134AXREEL	3353-0913	1/2	1.00	500	2,000	4.0	24	N	210
12AC134AXREEL	3353-0918	5/8	1.13	500	2,000	5.0	24	N	175



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