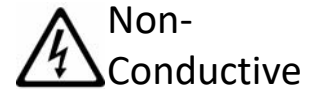


# Section 1 Hydraulic Hose



## TH7NC Hydraulic Hose - SAE 100R7



### Orange Thermoplastic

**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.

**Standards:** Meets SAE 100R7 non-conductivity requirements and meets or exceeds performance requirements of SAE 100R7 with a significantly tighter bend radius. Meets ANSI A92.2 for vehicle mounted aerial devices (-4 to -8).



**Tube:** 100% seamless Nylon - Type Z that easily handles a broad range of hydraulic fluids, including phosphate esters and water glycol (-2, -12 and -16), or Polyester (-3 through -8).

See *Characteristics Of Hose Stock Types*.

**Reinforcement:** Synthetic fibre (except -2).

**Cover:** Orange urethane resists hydraulic fluids, high temperatures, aging and weathering. Orange TH7NC cover is non-perforated for applications requiring electrical non-conductivity.

See *Characteristics Of Hose Stock Types*.

**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.

**Couplings Recommendation:** (see *Southcott Crimp Data Book/Charts*)

Gates MegaCrimp® (G) Couplings (-4 through -16)

Swage (PCTS) Couplings (-2 and -3 only)

Child Super Crimp (S) Series Couplings (-4, -6 and -8 only)

Refer [www.southcott.com.au](http://www.southcott.com.au) for current crimp specifications.

### Hose Specifications

Part Number	⊖			⊘		⊙		⊙		⊙		Length (m)
	Standard	Dash	Inch	DN	Inch	mm	PSI	Bar	PSI	Bar	Inch	
2TH7NC	2	1/8	3	0.32	8.1	3,000	207	12,000	828	0.5	13	76
3TH7NC	3	3/16	5	0.41	10.4	3,000	207	12,000	828	0.8	20	76
4TH7NC	4	1/4	6	0.50	12.7	2,750	190	11,000	759	1.5	38	76
5TH7NC	5	5/16	8	0.56	14.2	2,500	172	10,000	689	2.3	57	76
6TH7NC	6	3/8	10	0.64	16.3	2,250	155	9,000	621	2.8	70	76
8TH7NC	8	1/2	12	0.80	20.3	2,000	138	8,000	552	3.8	95	76
12TH7NC	12	3/4	19	1.05	26.7	1,250	86	5,000	345	5.0	127	60
16TH7NC	16	1	25	1.32	33.6	1,000	69	4,000	276	10.0	254	60

### Additional Product

Hose Type	Couplings and Ferrules			Associated Protective Product						
	Gates 1 Piece Series	Child 2 Piece Series Coupling Ferrule		Wire Spring Guard	Spiral Guard	Heat Guard	Tex- Sleeve	Shrink Band Clamps	Life Guard	Life Guard Collar
2TH7NC	2PCTS	-	-	HSG-01	SGX12	HTG-09	TEXS17	SB15	14LG5K	6SC4
3TH7NC	3PCTS	-	-	HSG-01	SGX16	HTG-11	TEXS17	SB15	14LG5K	6SC4
4TH7NC	4G	S	FSP-204	HSG-02	SGX16	HTG-13	TEXS17	SB15	14LG5K	6SC4
5TH7NC	5G	-	-	HSG-03	SGX16	HTG-14	TEXS20	SB22	14LG5K	6SC4
6TH7NC	6G	S	FSP-206A	HSG-03	SGX16	HTG-20	TEXS23	SB22	16LG4K	6SC4
8TH7NC	8G	S	FSP-208	HSG-05	SGX20	HTG-26	TEXS27	SB25	20LG4K	8SC4
12TH7NC	12G	-	-	HSG-08	SGX25	HTG-30	TEXS40	SB34	26LG3K	12SC4
16TH7NC	16G	-	-	HSG-11	SGX40	HTG-34	TEXS44	SB41	32LG3K	16SC4