

2,000 thru 5,000 psi Working Pressures

3E80 Non-Conductive High Pressure Hose



Meets SAE 100R8 specification

APPLICATIONS

- General hydraulic systems that may contact high voltage sources
- Aerial equipment
- Mobile machinery
- Rescue tools

FEATURE

- SAE J517 non-conductive hose construction. Less than 50 micro-amperes leakage when subjected to 75,000 volts/ft for 5 minutes
- Long life for impulse cycling and flexing
- UV resistant cover
- Designed for permanent and reusable fittings

TUBE

- Nylon core

REINFORCEMENT

- Braided synthetic fiber

COVER

- Polyurethane non-perforated

COLOUR

- Orange

TEMPERATURE RANGE

- -40°F (-40°C) to 212° F (100°C)
- 150°F (66°C) with water-based or fire-resistant fluids

MARKING

- Non-conductive marking and color code

Part Number	Nominal I.D Ø		Maximum O.D Ø		Working Pressure		Bursting Pressure		Bending Radius		Available Lengths	Weight		Swage Die	Die & Fitting Chart Permanent Fitting Series	
	inch	mm	inch	mm	bar	psi	psi	bar	inch	mm		ft	lbs/100ft		kg/100m	Zinc Plated
3E80-03‡	3/16	4.8	0.515	13.1	345	5,000	20,000	1,379	1.5	38	-	7.7	11.5	H03	90H	90L
3E80-04003	1/4	6.4	0.625	15.9	345	5,000	20,000	1,379	2.0	51	250	11.8	17.6	H04	90H	90L
3E80-06003	3/8	9.5	0.765	19.4	276	4,000	16,000	1,103	2.5	64	250	14.8	22.0	H06	90H	90L
3E80-08003	1/2	12.7	0.892	22.7	241	3,500	14,000	965	4.0	102	250	19.0	28.3	H08	90H	90L
3E80-12‡	3/4	19.1	1.138	28.9	155	2,250	9,000	620	6.5	165	-	25.6	38.1	H12	90H	90L
3E80-16‡	1	25.4	1.468	37.3	138	2,000	8,000	552	10	254	-	38.5	57.3	H16	90H	90L

‡ Run-to-order hose. Contact sales office representative for details

* Standard box in 250ft length, except for 3/4" and 1" in 200ft

* Continuous length available, please consult sales office