

# SAE100R7NCTW **THERMOPLASTIC HOSE**

## NON-CONDUCTIVE TWIN LINE

This twin line thermoplastic hydraulic hose is designed for medium-pressure applications requiring non-conductivity. Its polyurethane cover enhances abrasion resistance and meets or exceeds SAE J517 100R7, ISO 3949-R7 and EN855 standards. Also available in single line variant (SAE100R7NC).



## TECHNICAL DETAILS

### CONSTRUCTION

**Inner Tube:** Polyester elastomer

**Reinforcement:** One or two braids of synthetic fibre

**Outer Cover:** Polyurethane, not pinpricked, orange

### APPLICATION

Medium-pressure systems that use petroleum or synthetic-based hydraulic fluids in applications requiring electrical insulation or non-conductivity.

**Air Applications:** For air and inert gas applications, the cover should be pinpricked.

### SPECIFICATIONS

**Standards:** Meets or exceeds SAE J517 100R7 and EN855. Also meets SAE J517, J343, ISO 3949-R7 and EN855 for non-conductivity where maximum electrical leakage shall not exceed 50A when a 152mm sample is subject to 37.5 kV for 5 minutes, equivalent to 250kV/metre

**Vacuum Rating:** 0.93bar, 700mm Hg (-13.5PSI: 27.5 inch Hg)

**Temperature Range:** -40°C - 100°C. Not to exceed 70°C for air and water-based fluids

**Hose Tails:** J series

Part Number	Size (in)	ID (mm)	OD (mm)	Working PSI	Min. Burst Pressure (PSI)	Min. Bend Radius (mm)	Reel Length (m)	Weight (kg/m)
100R7NCTW-06	3/8	9.7	16.0	2300	9200	55	100	0.29



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