

SAE100R8NC **THERMOPLASTIC HOSE**

NON-CONDUCTIVE THERMOPLASTIC

This thermoplastic hydraulic hose is designed for high-pressure applications requiring non-conductivity. Its polyurethane cover enhances abrasion resistance and meets or exceeds SAE J517 100R8, ISO 3949-R8 and EN855 standards. Also available in Twin Line (SAE100R8NCTW) and conductive options.



TECHNICAL DETAILS

CONSTRUCTION

Inner Tube: Polyester elastomer

Reinforcement: One or two braids of aramid fibre

Outer Cover: Polyurethane, not pinpricked, orange

APPLICATION

High-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 100R8, ISO 3949-R8 and EN855. Also meets SAE J517, J343 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)
100R8NC-04	1/4	6.5	11.5	5000	20000	50	100	0.09
100R8NC-06	3/8	9.7	15.5	4000	16000	60	100	0.14
100R8NC-08	1/2	13.0	19.9	3500	14000	80	100	0.20