

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

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

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.

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



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