HYDRAULIC HOSE & PROTECTION

R8 Non-Conductive - Thermoplastic Hose

Hose construction and size selected to match the fluid, operating duty and installation.

Construction & technical characteristics

Characteristic	Specification
Inner tube	polyester elastomer
Reinforcement	two high-tensile aramid fibre braids
Outer cover	orange oil/weather-resistant polyurethane
Operating temperature	-40 to +100 °C
Air / water-based fluid temperature limit	65 °C
Construction standard	EN 855 / SAE 100 R8
Nominal safety factor	4:1

Ordering references: R8NC-04 / R8NC-06 / R8NC-08 / R8NC-12 / R8NC-16

Hose dimensions & operating limits

Part code	Bore (in)	ID (mm)	OD (mm)	Working pressure (bar)	Burst pressure (bar)	Min. bend radius (mm)	Mass (kg/m)
R8NC-04	1/4	6.5	12	362	1448	50	0.18
R8NC-06	3/8	9.7	16.5	287	1148	80	0.29
R8NC-08	1/2	13	20.2	250	1000	95	0.39
R8NC-12	3/4	19.5	28	162	648	150	0.59
R8NC-16	1	25	34	140	560	200	0.93

Ratings apply to the exact part code and specified construction. Fluid compatibility, temperature derating and the complete assembly must suit the operating duty. Values marked Confirm require configuration verification.

Application & quotation checklist

Inside diameter and overall length; Working pressure and pressure peaks; Fluid and operating temperature; End connections, orientation and routing

Request a quotation

admin@africanhosesolutions.co.za | 010 065 3872

Provide the part code, size, quantity, required configuration and application. Include a drawing or photograph where available.

Ratings apply only to the specified product and configuration. Confirm fluid compatibility, temperature, pressure transients, installation and complete assembly suitability. Ordering references do not establish interchangeability.