

HYDRAULIC HOSE & PROTECTION

R12 - 4 Wire Grey Cover Hose

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

Construction & technical characteristics

Characteristic	Specification
Inner tube	Oil- and water-resistant synthetic rubber
Reinforcement	Four high-tensile steel-wire spiral layers
Outer cover	Synthetic rubber resistant to abrasion, ozone and weathering; grey
Operating temperature	-40 to +100 °C
Construction standard	EN 856 / SAE 100 R12 AT ()
Nominal safety factor	4:1
Reference standard	EN 856 / SAE 100 R12 (source prints R12 AT)

Ordering references: R12-06 / R12-08 / R12-10 / R12-12 / R12-16 / R12-20 / R12-24 / R12-32

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)
R12-06	3/8	9.5	20.3	280	1120	125	0.7
R12-08	1/2	12.7	23.8	280	1120	180	0.84
R12-10	5/8	15.9	27.4	280	1120	200	1.1
R12-12	3/4	19	30.7	280	1120	240	1.33
R12-16	1	25.4	38	280	1120	300	1.85
R12-20	1-1/4	31.8	47	210	840	420	2.65
R12-24	1-1/2	38.1	53.5	175	700	500	3.2

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)
R12-32	2	50.8	66.7	175	700	630	4.5

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.