518C – Medium pressure hose

**Electrically non-conductive –
Performance exceeds SAE 100 R7 /
ISO 3949 Type R7 / DIN EN 855 Type R7**



Main features

- **Electrically non-conductive**
- High abrasion resistance
- Small bend radii
- Low weight

Applications

Medium pressure service for general industrial and mobile hydraulic applications, when **electrically non-conductive** lines are required, e.g.:

- Working platforms for high-voltage line repair
- Aluminium melting furnaces

Construction

Core tube : Polyester elastomer, except -2: polyamide
Pressure reinforcement : One braided layer of high tensile synthetic fibre

Cover : Polyurethane
Colour : orange

Temperature range

-40°C up to +100°C for petroleum, max. 57°C for synthetic hydraulic fluids and water-based hydraulic fluids.

Part No. #	DN	size mm		inch	mm	Max. working pressure MPa / psi		Min. burst pressure MPa / psi		Min. bend radius mm	Weight kg/m	Fittings
518C-2	3	-02	3.2	1/8	8.4	17.5	2,500	69.0	10,000	13	0.05	56
518C-3	5	-03	4.8	3/16	10.7	22.5	3,250	90.0	13,000	19	0.07	56
518C-4	6	-04	6.3	1/4	11.7	20.7	3,000	83.0	12,000	38	0.08	56
518C-5	8	-05	7.9	5/16	14.3	17.5	2,500	69.0	10,000	44	0.11	56
518C-6	10	-06	9.5	3/8	16.0	15.5	2,250	62.0	9,000	51	0.14	56
518C-8	12	-08	12.7	1/2	20.4	15.5	2,250	62.0	9,000	76	0.22	56
518C-10	16	-10	15.9	5/8	24.9	10.5	1,500	42.0	6,000	102	0.30	56
518C-12	20	-12	19.1	3/4	27.4	8.5	1,250	34.5	5,000	152	0.31	56
518C-16	25	-16	25.4	1	33.5	7.0	1,000	27.5	4,000	203	0.40	56

Notes

- Field attachable fittings available on request.
- Electrically non-conductive acc. to SAE J517 (less than 50 µA leakage under 250,000 Volts per meter).