

HYDRAULIC HOSE

SERIES 518C HYDRAULIC HOSE

General Description: Medium pressure, non-conductive hose for reusable or permanent fittings. 1000 to 3000 psi
Meets SAEJ517 for less than 50 micro-amps leakage under 75000 volts per ft.
Meets or exceeds SAE 100R7 specifications and Ontario Hydro electrical standards.
Complies with ANSI A92.2 for vehicle-mounted aerial devices.

Construction: Elastomeric core, fiber reinforcement, abrasion-resistant special PFX cover. All layers bonded for optimum kink resistance and flexibility. High density braid for maximum impulse life without loss of flexibility. Standard cover is orange, non-perforated.

Applications: Medium pressure hydraulic service where both reusable and permanent fittings are desired. For hydraulic circuits and systems found on utility vehicles and equipment where exposure and contact with high voltage may be encountered.

Temperature Range: Temperature Range: -40°F to +212°F except limited to +135°F for synthetic hydraulic fluids and water-based fluids.



Part No.	I.D. (in.)	Max. O.D. (in.)	Max. Working Pressure psi ANSI A92.2	Max. Working Pressure psi SAE 100R7	Min. Burst Pressure psi	Min. Bend Radius (in.)	Typical Vol. Expansion at Working Pressure cc./ft.	Crimp Fitting Series	Reusable Fitting Series	80C Crimp Die
518C-2	1/8	0.34	3000	2500	10000	1/2	0.6	57		P02H
518C-3	3/16	0.42	3000	3000	12000	3/4	2.1	55	51	P03
518C-4	1/4	0.47	3000	2750	11000	1-1/2	2.4	55	51	P04J
518C-5	5/16	0.57	3000	2500	10000	1-3/4	3.1	55	51	P05
518C-6	3/8	0.63	3000	2250	9000	2	4.2	55	51	P06
518C-8	1/2	0.81	3000	2250	9000	3	6.2	55	51	P08
518C-12	3/4	1.08	1660	1250	5000	6	9.8	55	51	P12
518C-16	1	1.32	1330	1000	4000	8	14.0	55	51	P16

Twin-line or multi-line constructions available.

NOTE: Laylines on this hose will have both ANSI and SAE maximum working pressures listed.

ANSI A92.2-1990 "Vehicles Mounted Elevating and Rotating Aerial Devices"

4:1 Safety Factor is required if hose failure will result in movement of aerial device.

3:1 Safety Factor is acceptable if hose failure will not result in movement of aerial device.

SAE requires 4:1 Safety Factor.

Change in length at working pressure is ± 2% maximum.