

ICON Identification Key



Agriculture



Automotive



Compressed Gas



Construction



Electrical



Fluid Handling



Food/Beverage



Forestry



Grounds/Bldg. Mtn.



Industrial



Industrial Pneumatic



Machine Tool



Marine



Material Handling



Medical



Military



Mining



Oilfield Service



Paint



Paving & Road
Maintenance



Personnel Equipment



Pharmaceutical



RV & Bus



Semiconductor



Sewer Hose



Transportation



Utility Equipment



Waste Refuse

For detailed ordering information, please consult price list or contact Parflex® Division.

518C – Non-Conductive Hose



Features

- Twin or multi-line constructions available
- High density braid for maximum impulse life without loss of flexibility

Certifications

- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets/Exceeds SAE 100R7 specifications and Electrical Standards except 518C-2 with respect to maximum working pressure
- ANSI A92.2

Applications/Markets



- Medium pressure hydraulic service where both field attachable and permanent hydraulic circuit exposure and contact with high voltage may be encountered

Part Number	Nominal I.D.		Maximum O.D.		ANSI A92.2 Max. Working Pressure		SAE 100R7 Max. Working Pressure		Minimum Bend Radius		Vac. Rating Hg./73°F	Weight		Permanent Fitting Series	Field Attachable Series
	inch	mm	inch	mm	psi	MPa	psi	MPa	inch	mm	inch	lbs./ft.	kg./mtr.		
#															
518C-2	1/8	3	.34	9	3,150	21.7	2,500	17.2	0.50	13	28	.03	.05	57	–
518C-3*	3/16	5	.43	11	3,250	22.4	3,250	20.7	0.75	19	28	.05	.07	55/56	51
518C-4*	1/4	6	.47	12	3,150	21.7	3,000	19.0	1.50	38	28	.05	.08	55/56	51
518C-5	5/16	8	.57	14	3,150	21.7	2,500	17.2	1.75	44	28	.08	.11	55/56	51
518C-6	3/8	10	.64	16	3,000	20.7	2,250	15.5	2.00	51	28	.10	.14	55/56	51
518C-8	1/2	13	.81	21	3,000	20.7	2,250	15.5	3.00	76	28	.15	.22	55/56	51
518C-12	3/4	19	1.09	28	1,660	11.5	1,250	8.6	5.00	127	28	.21	.31	55/56	51
518C-16	1	25	1.32	34	1,330	9.2	1,000	6.9	8.00	203	28	.27	.40	55/56	51

Construction

Tube: Copolyester
 Reinforcement: Fiber
 Cover: Proprietary Blend (PFX)

Operating Parameters

Temperature Range:
 -40°F to +212°F (-40°C to +100°C)
 (Limited to +135°F (+57°C) for synthetic hydraulic fluids and water-based fluids)
 Change in length at Max. Working Pressure: ±2%

Min. Burst Pressure:
 4:1 Design Factor is required if hose failure will result in movement of aerial device
 3:1 Design Factor is acceptable if hose failure will not result in movement of aerial device
 SAE requires 4:1 Design Factor

Colors

- Orange

Fittings

51 Series – pg. E-5 55 Series – pg. E-12
 56 Series – pg. E-36 57 Series – pg. E-58

For most Parker products, Crimp Die Selection charts can be found online at www.parker.com/crimpsource
 Access instructions are on pg. G-13

Notes

Non-perforated cover
 Lay lines on this hose will have both ANSI and SAE maximum working pressure listed. ANSI A92.2
 “Vehicle Mounted Elevating and Rotating Aerial Devices”

*3/16” and 1/4” working pressure reduced to 3,000 and 2,750 psi respectively when using field attachable couplings

51 Series field attachable couplings are not intended for use on hose that has previously been in service

