ICON Identification Key



Agriculture



Industrial Pneumatic



Personnel Equipment



Automotive



Machine Tool



Pharmaceutical



Compressed Gas



Marine



RV & Bus



Construction



Material Handling



Semiconductor



Electrical



Medical



Sewer Hose



Fluid Handling



Military



Transportation



Food/Beverage



Mining



Utility Equipment



Forestry



Oilfield Service



Waste Refuse



Grounds/Bldg. Mtn.



Paint



Paving & Road Maintenance



9

518C - Non-Conductive Hose



Features

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

Certifications

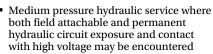
- Meets SAE J517 for less than 50 micro-amps leakage under 75,000 volts per ft.
- Meets/Exceeds SAE 100R7 specifications and Electrical Standards except 518C-2 with respect to maximum working pressure
- ANSI A92.2

Applications/Markets









Part Number	Nominal I.D.		Maximum 0.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
#	0		0						<i>₹</i>		Ū	lbs			
	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

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