

## 518D

Electrically non-conductive Performance  
exceeds SAE 100 R7 / ISO 3949 Type R7



### MAIN FEATURES

- Excellent chemical resistance
- 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, for example:  
Working platforms for high-voltage line repair, aluminium melting furnaces.








### CONSTRUCTION

**Core tube** : Polyamide size -3 to -12, Polyesther Elastomer size -16  
**Pressure reinforcement** : One braided layer of high tensile synthetic fibre  
**Cover** : Polyurethane, non pinpricked  
**Colour** : Orange

### TEMPERATURE RANGE

-40 °C up to +100 °C\*

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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
												
518D-3	5	3/16	-3	5	10.7	22.4	3,250	89.6	13,000	19.0	0.07	56
518D-4	6	1/4	-4	6.3	11.7	21.0	3,000	84.0	12,000	38.0	0.09	56
518D-5	8	5/16	-5	8	14.3	17.5	2,500	70.0	10,000	44.0	0.11	56
518D-6	10	3/8	-6	10	16.0	15.8	2,250	63.2	9,000	51.0	0.14	56
518D-8	12	1/2	-8	12.5	20.5	15.8	2,250	63.2	9,000	76.0	0.22	56
518D-10	16	5/8	-10	16	24.6	15.8	2,250	63.2	9,000	102.0	0.31	56
518D-12	19	3/4	-12	19	27.4	8.8	1,250	35.2	5,000	127.0	0.31	56
518D-16	25	1	-16	25	33.4	7.0	1,000	28.0	4,000	203.0	0.40	56

### NOTES

Electrically non-conductive acc. to SAE J517  
(less than 50 µA leakage under 250,000 Volts per meter).  
\* Size -16 only: Max +57 °C for synthetic and water based hydraulic fluids