

## Technical Data

### Physical

Property	Test Method	Typical Performance
Tensile Strength	ASTM D2671, ISO 37	2200 psi (15.0 MPa)
Elongation	ASTM D2671, ISO 37	400%
Longitudinal Change	ASTM D2671	+/-5%
2% Secant Modulus	ASTM D2671	16000 psi (110 MPa)
Specific Gravity	ASTM D792, ISO/R1183	1.3 [colors] 0.95 [clear]
Restricted Shrinkage	ASTM D2671	No Cracking
Elongation after Heat Aging (168hrs at 175°C)	ASTM D2671	350%
Heat Shock (4hrs at 250°C)	ASTM D2671	No cracking or flowing
Low Temperature Flexibility (4hrs at -55°C)	ASTM D2671	No cracking or splitting
Flammability	ASTM D2671 Proc. B	Flame Retardant (except Clear)

### Electrical

Dielectric Strength	ASTM D2671, IEC 243	600 V/Mil (24kV/mm)
Volume Resistivity	ASTM D2671	10 <sup>16</sup> ohm-cm

### Chemical

Fluid Resistance	MIL-DTL-23053/5, ISO 1817, ISO 37	Good to Excellent
Copper Corrosion	ASTM D2671	No Corrosion
Water Absorption	ASTM D570	0.2%
Fungus Resistance	ASTM G21	No Growth

## DSG-Canusa

### There's no end to what we cover

Using heat shrink technology, DSG-Canusa provides electrical and mechanical insulation for electrical/utility, communications, automotive, and electronics markets. Our continued investment in research and development continues to yield new products to meet industry trends. Moreover, an aptitude and readiness to engineer unique solutions to suit Customer applications has earned us a reputation of excellence in Customer satisfaction. DSG-Canusa is a market leader with manufacturing and support facilities throughout the globe.

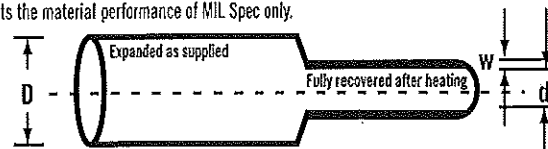
[www.dsgcanusa.com](http://www.dsgcanusa.com)

All information contained in this leaflet is believed to be reliable. We advise however that customers should separately evaluate the suitability of our products for their particular application. DSG-Canusa and Shawcor give no guarantees in respect of the accuracy or sufficiency of the information presented and disclaim any liability regarding its use. Our responsibilities are only those listed in our Standard Terms and Conditions of Sale for these products. In no instance will we be liable for any eventual, indirect, or consequential damage or damages arising from the sale, resale, transfer, use or misuse of the product.

## Dimensions

ORDER REF. NO. METRIC	REF. NO. IMPERIAL	EXPANDED		RECOVERED		WALL THICKNESS (NOM)		LENGTHS	
		INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	INTERNAL DIAMETER (MIN)	INTERNAL DIAMETER (MAX)	W	N	L	FT
0012	0047	1.2	3/64	0.6	3/128	0.45	0.018	300	1000
0016	0063	1.6	1/16	0.8	1/32	0.45	0.018	300	1000
0024	0094	2.4	3/32	1.2	3/64	0.51	0.020	300	1000
0032	0125	3.2	1/8	1.6	1/16	0.51	0.020	300	1000
0048	0187	4.8	3/16	2.4	3/32	0.51	0.020	300	1000
0064	0250	6.4	1/4	3.2	1/8	0.64	0.025	150	500
0095	0375	9.5	3/8	4.7	3/16	0.64	0.025	150	500
0127	0500	12.7	1/2	6.4	1/4	0.64	0.025	60	200
0160	0625	16.0	5/8	8.0	5/16	0.76	0.030	60	200
0190	0750	19.0	3/4	9.5	3/8	0.76	0.030	30	100
0254	1000	25.4	1	12.7	1/2	0.89	0.035	30	100
0320	1250	32.0	1 1/4	16.0	5/8	0.89	0.035	30	100
0381	1500	38.1	1 1/2	19.0	3/4	1.02	0.040	30	100
0508	2000	50.8	2	25.4	1	1.14	0.045	30	100
0762	3000	76.2	3	38.0	1 1/2	1.27	0.050	15	50
1016	4000	101.6	4	50.8	2	1.40	0.055	15	50

\* Meets the material performance of MIL Spec only.



## Ordering

Select a dimension which will shrink snugly over the component to be covered. If recovery is restricted the resultant wall thickness will be less than specified. For each item, please specify the product name plus each of the following options:

### 1 Order Reference Number

See above in the "Dimensions" chart

### 2 Color Options

black	red	white	clear
blue	yellow	green	

### 3 Printing Options

printed	unprinted
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### 4 Length Options

(specify metric or imperial)

Continuous Reels: See above in the "Dimensions" chart

48" (1.2m) lengths

For Example: CPX 100, 0375, black, unprinted, 500ft lengths

FOR INFORMATION ON CUSTOM COLORS, SIZES AND LENGTH OPTIONS  
CONTACT YOUR CUSTOMER SERVICE REPRESENTATIVE.

Standards: UL 224, 125°C; CSA C22.2 No. 198.1, 125°C;  
MIL-DTL-23053/5, Class 1&2, AMS 3636 & 3637;  
DEF STAN 59-97, Issue 3, Type 2a