



## SAE-AS22759/1 Formerly MIL-W-22759/1

### Insulation: **Polytetrafluoroethylene (PTFE) and PTFE-Coated Glass**

Silver Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 200°C

Multi-layered insulation designed for airframe, and other high durability, aerospace applications. The first layer consists of PTFE tapes, followed by a secondary layer of PTFE coated Glass tapes, and an outer covering of PTFE coated Glass Braid and a PTFE finisher. The insulation provides superior cut through and abrasion resistance.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data			
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Maximum Weight Pounds/1000'
			Min.	Max.		
			(Inches)			
M22759/1-22-*	22	19/34	.080	.088	15.1	7.50
M22759/1-20-*	20	19/32	.090	.098	9.19	9.50
M22759/1-18-*	18	19/30	.100	.110	5.79	13.00
M22759/1-16-*	16	19/29	.115	.125	4.52	16.50
M22759/1-14-*	14	19/27	.133	.143	2.88	23.00
M22759/1-12-*	12	37/28	.152	.162	1.90	32.10
M22759/1-10-*	10	37/26	.174	.188	1.19	47.00
M22759/1- 8-*	8	133/29	.241	.255	.658	82.00
M22759/1- 6-*	6	133/27	.283	.303	.418	122.00
M22759/1- 4-*	4	133/25	.340	.370	.264	180.00
M22759/1- 2-*	2	665/30	.405	.435	.170	275.00
M22759/1- 1-*	1	817/30	.455	.485	.139	348.00
M22759/1-01-*	1/0	1045/30	.495	.535	.108	429.00
M22759/1-02-*	2/0	1330/30	.555	.595	.085	542.00
M22759/1-03-*	3/0	1665/30	.620	.660	.068	668.00
M22759/1-04-*	4/0	2109/30	.690	.730	.054	835.00

\* = Color.

0 = Black, 1 = Brown, 2 = Red, 3 = Orange, 4 = Yellow, 5 = Green, 6 = Blue, 7 = Violet, 8 = Grey, 9 = White  
 These colors may also be used for stripe combinations. Example: -901 = White with one Black and one Brown stripe.  
 Complete Mil Spec call out M22759/1 - 20 - 901 => { 20 AWG (19/32) White/Black/Brown }