



SAE-AS22759/2 Formerly MIL-W-22759/2

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

Nickel Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 260°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. The Nickel plated copper conductor allows for a temperature of up to 260°C.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data			
			Insulation O.D.		Resistance @ 20°C OHMS/2000' max	Maximum Weight Pounds/2000'
			Min. (Inches)	Max. (Inches)		
M22759/2	(AWG)					
M22759/2-22-*	22	19/34	.080	.088	16.0	7.50
M22759/2-20-*	20	19/32	.090	.098	9.77	9.50
M22759/2-18-*	18	19/30	.100	.110	6.10	13.00
M22759/2-16-*	16	19/29	.115	.125	4.76	16.50
M22759/2-14-*	14	19/27	.133	.143	3.00	23.00
M22759/2-12-*	12	37/28	.152	.162	1.98	32.10
M22759/2-10-*	10	37/26	.174	.188	1.24	47.00
M22759/2- 8-*	8	133/29	.241	.255	.694	82.00
M22759/2- 6-*	6	133/27	.283	.303	.436	122.00
M22759/2- 4-*	4	133/25	.340	.370	.275	180.00
M22759/2- 2-*	2	665/30	.405	.435	.177	275.00
M22759/2- 1-*	1	817/30	.455	.485	.144	348.00
M22759/2-01-*	1/0	1045/30	.495	.535	.113	429.00
M22759/2-02-*	2/0	1330/30	.555	.595	.089	542.00
M22759/2-03-*	3/0	1665/30	.620	.660	.071	668.00
M22759/2-04-*	4/0	2109/30	.690	.730	.056	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 M22759/2 - 20 - 901 => { 20 AWG (19/32) White/Black/Brown }