



SAE-AS22759/16 Formerly MIL-W-22759/16

Insulation: **Ethylene-Tetrafluoroethylene (ETFE)**

Tin Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 150°C

Standard wall ethylene-tetrafluoroethylene (ETFE) insulation (also known as Tefzel) designed for aerospace applications where weight, dimensional tolerance, and mechanical durability are required. This wire exhibits high chemical and radiation resistance. The tin plated copper conductor offers a cost savings over the silver plated high strength copper alloy which is available on M22759/17.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data		
			Insulation O.D. Nominal Inches	Resistance @ 20°C OHMS/1000' max	Nominal Weight Pounds/1000'
M22759/16	(AWG)		Nominal Inches	Resistance @ 20°C OHMS/1000' max	Nominal Weight Pounds/1000'
M22759/16-24-*	24	19/36	.045	26.2	2.45
M22759/16-22-*	22	19/34	.052	16.2	3.52
M22759/16-20-*	20	19/32	.060	9.88	5.18
M22759/16-18-*	18	19/30	.071	6.23	7.65
M22759/16-16-*	16	19/29	.079	4.81	9.68
M22759/16-14-*	14	19/27	.093	3.06	14.50
M22759/16-12-*	12	37/28	.114	2.02	21.80
M22759/16-10-*	10	37/26	.139	1.26	34.00
M22759/16-8-*	8	133/29	.199	.701	61.50
M22759/16-6-*	6	133/27	.250	.445	96.90
M22759/16-4-*	4	133/25	.312	.280	152.0
M22759/16-2-*	2	665/30	.388	.183	231.0
M22759/16-1-*	1	817/30	.431	.149	293.0
M22759/16-01-*	1/0	1045/30	.479	.116	380.0
M22759/16-02-*	2/0	1330/30	.546	.091	485.0

* = 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: -908 = White with one Black and one Grey stripe.
 Complete Mil Spec call out M22759/16 -14 - 908 => { 14 AWG (19/27) White/Black/Grey }