



## 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 }