



Mil-W-22759/18

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

Tin Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 150°C

Nominal Wall: .006"

Thin wall ethylene-tetrafluoroethylene (ETFE) insulation (also known as Tefzel) designed for aerospace applications where weight, dimensional tolerance, and mechanical durability are required. This wire is small in size, light weight, and 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 M22759/19.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data		
			Insulation O.D. Nominal Inches	Resistance @ 20°C OHMS/1000' max	Nominal Weight Pounds/1000'
M22759/18-26-*	26	19/38	.032	41.3	1.45
M22759/18-24-*	24	19/36	.037	26.2	2.02
M22759/18-22-*	22	19/34	.043	16.2	3.04
M22759/18-20-*	20	19/32	.051	9.88	4.60
M22759/18-18-*	18	19/30	.061	6.23	6.89
M22759/18-16-*	16	19/29	.070	4.81	8.93
M22759/18-14-*	14	19/27	.084	3.06	13.7
M22759/18-12-*	12	37/28	.107	2.02	21.0
M22759/18-10-*	10	37/26	.134	1.26	33.1

* = 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: -903 = White with one Black and one Orange stripe.

Complete Mil Spec call out M22759/18 - 22 - 903 => { 22 AWG (19/34) White/Black/Orange }