



## Mil-W-22759/33

### Single Insulation of **Cross Linked Ethylene-Tetrafluoroethylene (ETFE)**

Silver Plated High Strength Copper Alloy Conductor

Voltage Rating: 600 Volts

Temperature: 200°C

Nominal Wall: .006"

Irradiation cross-linked modified ethylene-tetrafluoroethylene (ETFE) insulation designed for airframe, avionic, and other high durability, lightweight aerospace applications. Ideal where size and weight limitations are important. This wire is small in size, light weight, and extremely flexible. It exhibits high resistance to flame, chemical attack, radiation, and soldering iron contact. The high strength copper alloy conductor also improves the flex life of this wire.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data			
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Maximum Weight Pounds/1000'
			Min. (Inches)	Max.		
M22759/33-30-*	30	7/38	.022	.026	117.4	0.66
M22759/33-28-*	28	7/36	.025	.029	74.4	0.91
M22759/33-26-*	26	19/38	.030	.034	44.8	1.40
M22759/33-24-*	24	19/36	.035	.039	28.4	2.00
M22759/33-22-*	22	19/34	.041	.045	17.5	2.90
M22759/33-20-*	20	19/32	.048	.052	10.70	4.40

\* = 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 M22759/33 - 22 - 903 => { 22 AWG (19/34) White/Black/Orange }