



## SAE-AS22759/12 Formerly MIL-W-22759/12

Insulation: **Polytetrafluoroethylene (PTFE)**

Nickel Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: - 55°C to + 260°C

Polytetrafluoroethylene (PTFE) insulation designed for aerospace applications. Ideal where resistance to high temperatures and high reliability are required. This wire is non-flammable, self-extinguishing, and resists soldering iron contact. It is preferred where smoke emission, current overload conditions, flammability, or mechanical attack may be problems. The Nickel Plated Copper conductor allows for use at temperatures up to 260°C.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data			
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Nominal Weight Pounds/1000'
			Min. (Inches)	Max.		
M22759/12						
M22759/12-28-*	28	7/36	.031	.035	67.90	1.23
M22759/12-26-*	26	19/38	.036	.040	42.20	1.75
M22759/12-24-*	24	19/36	.041	.045	25.90	2.42
M22759/12-22-*	22	19/34	.047	.051	16.00	3.46
M22759/12-20-*	20	19/32	.056	.060	9.77	5.19
M22759/12-18-*	18	19/30	.066	.070	6.10	7.64
M22759/12-16-*	16	19/29	.073	.077	4.76	9.74
M22759/12-14-*	14	19/27	.088	.092	3.00	14.80
M22759/12-12-*	12	19/25	.108	.114	1.89	24.00
M22759/12-10-*	10	37/26	.135	.143	1.24	35.50
M22759/12-8-*	8	133/29	.198	.206	0.694	58.80

\* = 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: -915 = White with one Brown and one Green stripe.  
 Complete Mil Spec call out M22759/12 - 20 - 915 => { 20 AWG (19/32) White/Brown/Green }