



Mil-W-22759/22
Mil-W-22759/23

Insulation: Polytetrafluoroethylene (PTFE)

Plated High Strength Copper Alloy Conductor

Voltage Rating: 600 Volts

Temperature: - 55°C to + 200°C – M22759/22 Silver Plated Alloy

Temperature: - 55°C to + 260°C – M22759/23 Nickel Plated Alloy

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 high strength alloy conductor has greater flex life and break strength than copper conductor.

Wire Type RDS Number	Gauge	Stranding	Dimensional Data				
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Break Strength Lbs. (Min.)	Nom. Weight Lbs/1000'
(SPHSCA)	(AWG)		Min.	Max.			
M22759/22-28-*	28	7/36	.031	.035	74.40	8.16	1.27
M22759/22-26-*	26	19/38	.036	.040	44.80	14.20	1.84
M22759/22-24-*	24	19/36	.041	.045	28.40	22.40	2.51
M22759/22-22-*	22	19/34	.047	.051	17.50	35.80	3.55
M22759/22-20-*	20	19/32	.056	.060	10.70	58.10	5.19

Wire Type RDS Number	Gauge	Stranding	Dimensional Data				
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Break Strength Lbs. (Min.)	Nom. Weight Lbs/1000'
(NPHSCA)	(AWG)		Min.	Max.			
M22759/23-28-*	28	7/36	.031	.035	79.00	8.16	1.29
M22759/23-26-*	26	19/38	.036	.040	49.40	14.20	1.86
M22759/23-24-*	24	19/36	.041	.045	30.10	22.40	2.55
M22759/23-22-*	22	19/34	.047	.051	18.60	35.80	3.62
M22759/23-20-*	20	19/32	.056	.060	11.40	58.10	5.27

* = 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: -94 = White with one Yellow stripe.
 Complete Mil Spec call out M22759/22 - 24 - 94 => { 26 AWG (19/36) White/Yellow }