

Mil-W-22759/32

Single Insulation of Cross Linked Ethylene-Tetrafluoroethylene (ETFE)

Tinned Copper Conductor
 Voltage Rating: 600 Volts
 Temperature: 150°C

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.

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.		
M22759/32	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/1000' max	Pounds/1000'
M22759/32-30-*	30	7/38	.022	.026	108.40	0.66
M22759/32-28-*	28	7/36	.025	.029	68.6	0.91
M22759/32-26-*	26	19/38	.030	.034	41.3	1.40
M22759/32-24-*	24	19/36	.035	.039	26.2	2.00
M22759/32-22-*	22	19/34	.041	.045	16.2	2.80
M22759/32-20-*	20	19/32	.048	.052	9.88	4.30
M22759/32-18-*	18	19/30	.058	.062	6.23	6.50
M22759/32-16-*	16	19/29	.066	.070	4.81	8.30
M22759/32-14-*	14	19/27	.082	.088	3.06	13.00
M22759/32-12-*	12	37/28	.100	.106	2.02	19.70

* = 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: 96 = White with one Blue stripe.

Complete Mil Spec call out M22759/32 - 22 - 96 => { 22 AWG (19/34) White/Blue }