



Mil-W-22759/34

Dual 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		
M22759/34	(AWG)		Min.	Max	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/1000' max	Pounds/1000'
M22759/34-24-*	24	19/36	.043	.047	26.2	2.30
M22759/34-22-*	22	19/34	.048	.052	16.2	3.20
M22759/34-20-*	20	19/32	.056	.060	9.88	4.70
M22759/34-18-*	18	19/30	.067	.073	6.23	7.20
M22759/34-16-*	16	19/29	.074	.080	4.81	9.00
M22759/34-14-*	14	19/27	.091	.097	3.06	13.8
M22759/34-12-*	12	37/28	.108	.114	2.02	20.5
M22759/34-10-*	10	37/26	.130	.138	1.26	32.4
M22759/34-8-*	8	133/29	.187	.203	.701	60.3
M22759/34-6-*	6	133/27	.231	.251	.445	94.5
M22759/34-4-*	4	133/25	.300	.320	.280	150
M22759/34-2-*	2	665/30	.389	.421	.183	239
M22759/34-1-*	1	817/30	.429	.461	.149	290
M22759/34-01-*	1/0	1045/30	.469	.501	.116	377
M22759/34-02-*	2/0	1330/30	.529	.561	.091	487

* = 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 M22759/34 - 22 - 96 => { 22 AWG (19/34) White/Blue }