



Mil-W-22759/41

Dual Insulation of **Cross Linked Ethylene-Tetrafluoroethylene (ETFE)**

Nickel Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 200°C

Irradiation cross-linked modified ethylene-tetrafluoroethylene (ETFE) insulation designed for airframe, avionics, 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 dual insulation provides superior cut through and abrasion resistance. The inner and outer insulation layers have contrasting colors to provide a fast visual indicator of any chafing or wear through problems.

Wire Type RDS Number	Gauge (AWG)	Stranding	Dimensional Data		Resistance @ 20°C OHMS/1000' max	Maximum Weight Pounds/1000'
			Insulation O.D.	Min. Max. (Inches)		
M22759/41	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/1000' max	Pounds/1000'
M22759/41-26-*	26	19/38	.038	.042	42.2	1.70
M22759/41-24-*	24	19/36	.043	.047	25.9	2.30
M22759/41-22-*	22	19/34	.048	.052	16.0	3.20
M22759/41-20-*	20	19/32	.056	.060	9.77	4.70
M22759/41-18-*	18	19/30	.067	.073	6.10	7.20
M22759/41-16-*	16	19/29	.074	.080	4.76	9.00
M22759/41-14-*	14	19/27	.091	.097	3.00	13.80
M22759/41-12-*	12	37/28	.108	.114	1.98	20.50
M22759/41-10-*	10	37/26	.130	.138	1.24	32.40
M22759/41- 8-*	8	133/29	.187	.203	.694	64.20
M22759/41- 6-*	6	133/27	.231	.251	.436	96.80
M22759/41- 4-*	4	133/25	.300	.320	.275	163.0
M22759/41- 2-*	2	665/30	.389	.421	.177	246.0
M22759/41- 1-*	1	817/30	.429	.461	.144	314.0
M22759/41-01-*	1/0	1045/30	.469	.501	.113	421.0
M22759/41-02-*	2/0	1330/30	.529	.561	.089	518.0

* = 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: -9 = White.

Complete Mil Spec call out M22759/41 - 14 - 9 => { 14 AWG (19/27) White }