



SAE-AS22759/43 Formerly MIL-W-22759/43

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

Silver Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 200°C

Nominal Wall: .010"

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. 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			
			Insulation O.D.		Resistance @ 20°C OHMS/1000' max	Maximum Weight Pounds/1000'
			Min. (Inches)	Max.		
M22759/43	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/1000' max	Pounds/1000'
M22759/43-26-*	26	19/38	.038	.042	38.4	1.70
M22759/43-24-*	24	19/36	.043	.047	24.3	2.30
M22759/43-22-*	22	19/34	.048	.052	15.1	3.20
M22759/43-20-*	20	19/32	.056	.060	9.19	4.70
M22759/43-18-*	18	19/30	.067	.073	5.79	7.20
M22759/43-16-*	16	19/29	.074	.080	4.52	9.00
M22759/43-14-*	14	19/27	.091	.097	2.88	13.80
M22759/43-12-*	12	37/28	.108	.114	1.90	20.50
M22759/43-10-*	10	37/26	.130	.138	1.19	32.40
M22759/43- 8-*	8	133/29	.187	.203	.658	61.90
M22759/43- 6-*	6	133/27	.231	.251	.418	94.50
M22759/43- 4-*	4	133/25	.300	.320	.264	158.0
M22759/43- 2-*	2	665/30	.389	.421	.170	239.0
M22759/43- 1-*	1	817/30	.429	.461	.139	305.0
M22759/43-01-*	1/0	1045/30	.469	.501	.108	385.0
M22759/43-02-*	2/0	1330/30	.529	.561	.085	487.0

* = 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: -903 = White with one Black and one Orange stripe.

Complete Mil Spec call out M22759/43 - 22 - 903 => { 22 AWG (19/34) White/Black/Orange }