Mil-W-22759/42

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

Nickel Plated High Strength Copper Alloy Conductor
Voltage Rating: 600 Volts
Temperature: 200°C

Irradiation cross-linked modified ethylene-tetrafluoroehtylene (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 high strength copper alloy conductor also improves the flex life and break strength of this wire.

Wire Type RDS Number	Gauge	Stranding	Dimensional Data Insulation O.D.			
M22759/42	(AWG)		Min. (Inches)	Max.	Resistance @ 20°C OHMS/1000' max	Maximum Weight Pounds/1000'
M22759/42-26-*	26	19/38	.038	.042	49.40	1.70
M22759/42-24-*	24	19/36	.043	.047	30.10	2.30
M22759/42-22-*	22	19/34	.048	.052	18.60	3.30
M22759/42-20-*	20	19/32	.056	.060	11.40	4.80

* = 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: -916 = White with one Brown and one Blue stripe.
Complete Mil Spec call out M22759/42 - 22 - 916 => { 22 AWG (19/34) White/Brown/Blue }

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