



Mil-W-81044/8

Dual Insulations of **Cross Linked Polyalkene and Cross Linked Polyvinylidene Fluoride (XLPVDF)**

Sliver Plated Copper Conductor

Voltage Rating: 600 Volts

Temperature: 150°C

Inner layer of cross-linked Polyalkene and an outer layer of cross-linked Polyvinylidene Fluoride, suitable for general aviation and military avionics, transportation systems, and business machines. The dual wall construction offers excellent cut-through and abrasion resistance, and the Medium weight wall thickness allows for AWG sizes up to #0 (One Ought).

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.		
M81044/8	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
M81044/8-24-*	24	19/36	.052	.056	24.3	2.50
M81044/8-22-*	22	19/34	.059	.065	15.1	3.90
M81044/8-20-*	20	19/32	.067	.073	9.19	5.50
M81044/8-18-*	18	19/30	.077	.083	5.79	8.00
M81044/8-16-*	16	19/29	.085	.093	4.52	10.10
M81044/8-14-*	14	19/27	.104	.112	2.88	15.50
M81044/8-12-*	12	37/28	.122	.130	1.90	23.00
M81044/8-10-*	10	37/26	.150	.160	1.19	35.70
M81044/8-8-*	8	133/29	.208	.220	.658	62.80
M81044/8-6-*	6	133/27	.257	.271	.415	99.30
M81044/8-4-*	4	133/25	.312	.328	.264	153.00
M81044/8-2-*	2	665/30	.388	.412	.170	247.00
M81044/8-0-*	0	1045/30	.474	.506	.108	377.00

* = 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: -92 = White with one Red stripe.

Complete Mil Spec call out M81044/8 - 22 - 92 => { 22 AWG (19/34) White/Red }