



Mil-W-81044/9

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

Tinned 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.		
M81044/9	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
M81044/9-24-*	24	19/36	.052	.056	26.2	2.50
M81044/9-22-*	22	19/34	.059	.065	16.2	3.90
M81044/9-20-*	20	19/32	.067	.073	9.88	5.50
M81044/9-18-*	18	19/30	.077	.083	6.23	8.00
M81044/9-16-*	16	19/29	.085	.093	4.81	10.10
M81044/9-14-*	14	19/27	.104	.112	3.06	15.50
M81044/9-12-*	12	37/28	.122	.130	2.02	23.00
M81044/9-10-*	10	37/26	.150	.160	1.26	35.70
M81044/9-8-*	8	133/29	.208	.220	.701	62.80
M81044/9-6-*	6	133/27	.257	.271	.445	99.30
M81044/9-4-*	4	133/25	.312	.328	.280	153.00
M81044/9-2-*	2	665/30	.388	.412	.183	247.00
M81044/9-0-*	0	1045/30	.474	.506	.116	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: -90 = White with one Black stripe.
 Complete Mil Spec call out M81044/9 - 22 - 90 => { 22 AWG (19/34) White/Black }