



## Mil-W-81044/12

### Dual Insulations of **Cross Linked Polyalkene and Cross Linked Polyvinylidene 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.

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.		
M81044/12	(AWG)		Min.	Max.	Resistance @ 20°C	Maximum Weight
			(Inches)		OHMS/1000' max	Pounds/1000'
M81044/12-30-*	30	7/38	.025	.029	108.40	0.71
M81044/12-28-*	28	7/36	.028	.032	68.6	0.96
M81044/12-26-*	26	19/38	.032	.036	41.3	1.40
M81044/12-24-*	24	19/36	.038	.042	26.2	2.10
M81044/12-22-*	22	19/34	.045	.049	16.2	3.10
M81044/12-20-*	20	19/32	.053	.057	9.88	4.60
M81044/12-18-*	18	19/30	.063	.067	6.23	7.00
M81044/12-16-*	16	19/29	.069	.075	4.81	8.90
M81044/12-14-*	14	19/27	.085	.093	3.06	13.90
M81044/12-12-*	12	37/28	.104	.112	2.02	21.70

\* = 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: 96 = White with one Blue stripe.  
Complete Mil Spec call out M81044/12 - 22 - 96 => { 22 AWG (19/34) White/Blue }