



Mil-W-81044/13

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

Silver Plated High Strength Copper Alloy 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. The high strength alloy conductor also gives greater strength and flex life.

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.		
M81044/13-30-*	30	7/38	.025	.029	108.40	0.71
M81044/13-28-*	28	7/36	.028	.032	68.6	0.96
M81044/13-26-*	26	19/38	.032	.036	41.3	1.40
M81044/13-24-*	24	19/36	.038	.042	26.2	2.10
M81044/13-22-*	22	19/34	.045	.049	16.2	3.10
M81044/13-20-*	20	19/32	.053	.057	9.88	4.60

* = 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 MM81044/13 - 26 - 92 => { 26 AWG (19/38) White/Red }

Other MIL-W-81044 Series wires also available:

Specification	Conductor	Description	AWG Sizes	Temp/Voltage
MIL-W-81044/5	SPC	Normal Weight	24 – 16	150°C/600V
MIL-W-81044/6	TC	Normal Weight	24 – 16	150°C/600V
MIL-W-81044/7	SPHSCA	Normal Weight	24 – 20	150°C/600V
MIL-W-81044/8	SPC	Medium Weight	24 – 0 (1/0)	150°C/600V
MIL-W-81044/9	TC	Medium Weight	24 – 0 (1/0)	150°C/600V
MIL-W-81044/10	SPHSCA	Medium Weight	24 – 20	150°C/600V
MIL-W-81044/11	SPC	Light Weight	30 – 12	150°C/600V
MIL-W-81044/12	TC	Light Weight	30 – 12	150°C/600V

TC= Tinned Copper

SPC = Silver Plated Copper

SPHSCA = Silver Plated High Strength Copper Alloy