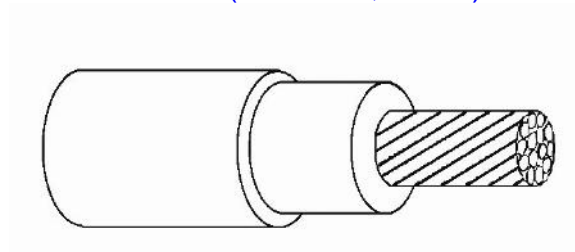


## MIL 81044/12\* (Thin Wall, 600 V)

**Product Description**

Type ML\*\*  
Cross-linked polyalkene insulation  
Kynar jacket  
Stranded conductor  
Lightweight

**Applications**

Used as hook-up wire for airframe interconnect in open harnesses.

**Specifications**

- CONDUCTOR: Tinned copper
- INSULATION: Cross-linked polyalkene
- JACKET: Polyvinylidene fluoride (Kynar)
- TEMPERATURE: 150°C
- VOLTAGE: 600 V

\*M81044 items are currently manufactured in accordance with SAE AS81044, product may be designated "AS" (Aerospace Standard). \*\* Cable designation using this type of wire component per NEMA WC27500. All part numbers require color code designation. Diameters and weights may vary among manufacturers.

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Part No.	Conductor Size AWG	Stranding No. x AWG	Diameter of Stranded Conductor Min. (in.)	Diameter of Stranded Conductor Max. (in.)	Finished Wire Resis. @ 20°C (68°F) ohms/1,000 ft.)	Finished Wire Nom. O.D. (in.)
M81044/12-30-XX	30	7x38	0.011	0.013	108.4	0.027 +/- 0.002
M81044/12-28-XX	28	7x36	0.014	0.016	68.6	0.030 +/- 0.002
M81044/12-26-XX	26	19x38	0.018	0.021	41.3	0.034 +/- 0.002
M81044/12-24-XX	24	19x36	0.023	0.026	26.2	0.040 +/- 0.002
M81044/12-22-XX	22	19x34	0.029	0.033	16.2	0.047 +/- 0.002
M81044/12-20-XX	20	19x32	0.037	0.041	9.88	0.055 +/- 0.002
M81044/12-18-XX	18	19x30	0.046	0.051	6.23	0.065 +/- 0.002
M81044/12-16-XX	16	19x29	0.052	0.058	4.81	0.072 +/- 0.003
M81044/12-14-XX	14	19x27	0.065	0.073	3.06	0.089 +/- 0.004
M81044/12-12-XX	12	37x28	0.084	0.090	2.02	0.108 +/- 0.004

### Hook Up and Lead Wire Insulation Color Code Chart

- 0.....black
- 1.....brown
- 2.....red
- 3.....orange
- 4.....yellow
- 5.....green
- 6.....blue
- 7.....violet/purple
- 8.....gray
- 9.....white
- P.....pink
- T.....tan
- D.....dark (i.e. D6=dark blue)
- L.....light (i.e. L6=light blue)

- For white with black stripe - 90
- For green with yellow stripe - 54
- For white with a black and red stripe - 902
- For white and black twisted conductor - 9/0
- For white, black and red twisted conductors - 9/0/2

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