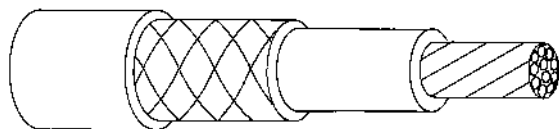


MIL-W-5086/2



Product Description

PVC/Glass-Nylon
Stranded Conductor

Applications

For internal wiring of meters, panels and electronic equipment. (For unmanned uses.)

Specifications

- INSULATION: White PVC with white glass braid
- CONDUCTOR: Single stranded, tinned copper
- OVERALL JACKET: Flame-retardant nylon lacquered braid
- TEMPERATURE: -55°C to +105°C
- VOLTAGE: 600 Volts

NOTE: Aircraft Wire (MIL-W-5086A), originally designed for aircraft usage, is no longer a current military procurement specification. Although not recommended for aircraft, the term "aircraft wire" is retained to refer to those types of constructions outlined above.

*Requires a color code designation.**Cable designation using this type wire component per MIL-C-27500. Diameters and weights may vary among manufacturers.

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Part No.	Conductor AWG	Conductor Strand	Insulation Thickness (in.)	Nom. O.D. (in.)	Approx. Wt. lb./1,000 ft.
M5086/2-22-*	22	19x34	0.022	0.075	4.70
M5086/2-20-*	20	19x32	0.022	0.085	6.80
M5086/2-18-*	18	19x30	0.022	0.095	9.50
M5086/2-16-*	16	19x29	0.025	0.105	11.90
M5086/2-14-*	14	19x27	0.025	0.120	18.30
M5086/2-12-*	12	19x25	0.030	0.138	26.00
M5086/2-10-*	10	49x27	0.030	0.189	44.00
M5086/2-8-*	8	133x29	0.036	0.240	70.00
M5086/2-6-*	6	133x27	0.040	0.293	110.00
M5086/2-4-*	4	133x25	0.050	0.355	165.00
M5086/2-2-*	2	665x30	0.050	0.425	250.00
M5086/2-1-*	1	817x30	0.045	0.470	305.00
M5086/2-0-*	1/0	1,045x30	0.055	0.525	400.00
M5086/2-00-*	2/0	1,330x20	0.058	0.590	500.00
M5086/2-000-*	3/0	1,661x30	0.058	0.650	620.00
M5086/2-0000-*	4/0	2,104x30	0.058	0.720	785.00

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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