



Caledonian Military Cables

MIL-W-5086/2 Unshielded Aircraft Wire

Application and Description:

These PVC insulated single-core MIL-W-5086/2 wires are used in electrical or electronic applications. These cables should be considered for use in any application where it may be exposed to chemicals, but-through, impact, abrasion, or other abuse. This wire offers excellent resistance to moisture, fuels, hydraulic fluids, and other common industrial solvents.

Construction:

Conductor: Stranded soft annealed tinned copper

Insulation: Polyvinyl chloride (PVC)

Jacket: 22 AWG – 10 AWG: Clear nylon

8 AWG – 4/0 AWG: Impregnated glass braid

Characteristics

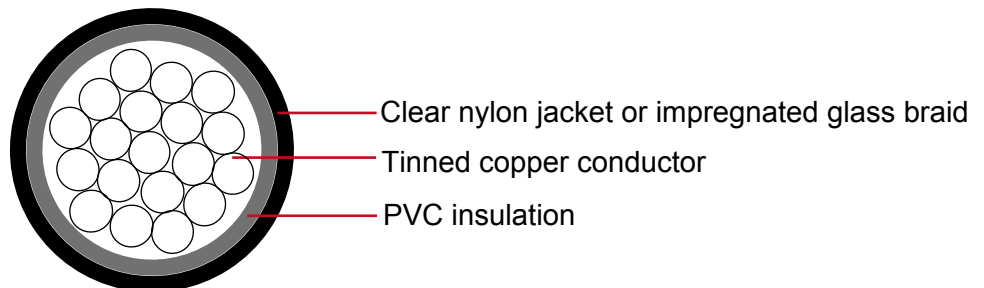
Temperature Rating: 105°C

Voltage Rating: 600 volts

Mil-Spec Wire

Color Code:

10 basic colors(BLK,BRN,RED,ORN,YEL,GRN,BLU,VIO,GRY,WHT)



Dimensions and Weight:

AWG Size	Conductor Stranding	Conductor Diam.		Nom. O.D.		Approx LBS/MFT
		in	mm	in	mm	
22	19/34	0.032	0.813	0.073	1.854	4.2
20	19/32	0.041	1.041	0.083	2.108	6.2
18	19/30	0.051	1.295	0.093	2.362	8.6
16	19/29	0.059	1.499	0.103	2.616	10.7
14	19/27	0.072	1.829	0.126	3.200	16.7
12	37/28	0.093	2.362	0.143	3.632	25.0
10	37/26	0.112	2.845	0.189	4.801	40.1
8	133/29	0.169	4.293	0.239	6.071	66.0
6	33/27	0.213	5.410	0.293	7.442	104.6
4	133/25	0.269	6.833	0.349	8.865	160.1
2	665/30	0.327	8.306	0.420	10.668	245.0
1	817/30	0.380	9.652	0.467	11.862	304.0
1/0	1045/30	0.413	10.490	0.525	13.335	392.0
2/0	1330/30	0.475	12.065	0.587	14.910	493.0
3/0	1661/30	0.535	13.589	0.640	16.256	604.0
4/0	2104/30	0.600	15.240	0.725	18.415	770.0