



# TECHNICAL INFO



### AWG TO METRIC CONVERSION CHART

SIZE (AWG)	mm <sup>2</sup>	SIZE (AWG)	mm <sup>2</sup>
18	0.82	1/0	53.5
16	1.31	2/0	64.4
14	2.08	3/0	85.0
12	3.31	4/0	107.0
10	5.26	250	127.0
9	6.63	300	152.0
8	8.37	350	177.0
6	13.30	500	253.0
4	21.15	600	304.0
2	33.62	750	380.0
1	42.40	1000	507.0

### COMMON WIRE CONDUCTOR STRANDING

STRANDING CLASS	14-2 AWG	1-4/0 AWG	250 MCM - 500 MCM
B	7 STR	19 STR	37 STR
C	19 STR	37 STR	61 STR
D	37 STR	61 STR	91 STR
G	49 STR	133 STR	259 STR
H	133 STR	259 STR	427 STR
I	All Sizes use 24 AWG Wires		
K	All Sizes use 30 AWG Wires		
M	All Sizes use 34 AWG Wires		

# Technical Information

## TABLES AND GRAPHS

### VOLTAGE DROP CALCULATOR

**To Find Volts Lost:**

1. Multiply current (amperes) by the distance (feet in one conductor) by the figure in the table below for the type of system and wire used.
2. Place a decimal in front of the last six figures.
3. The result is number of volts lost.

Note: For A.C. 3 Phase Current Voltage Drop obtained is phase-to-phase.

WIRE SIZE	POWER FACTOR %	A.C. SINGLE PHASE	A.C. THREE PHASE	D.C.	WIRE SIZE	POWER FACTOR %	A.C. SINGLE PHASE	A.C. THREE PHASE	D.C.
14 AWG	100	5880	5090	5880	3/0 AWG	100	149	129	144
	90	5360	4640			90	179	155	
	80	4790	4150			80	181	156	
	70	4230	3660			70	177	153	
	60	3650	3160			60	171	148	
12 AWG	100	3690	3190	3690	4/0 AWG	100	121	104	114
	90	3380	2930			90	152	131	
	80	3030	2620			80	156	135	
	70	2680	2320			70	155	134	
	60	2320	2010			60	151	131	
10 AWG	100	2320	2010	2820	250 MCM	100	102	89	97
	90	2150	1861			90	136	117	
	80	1935	1675			80	143	123	
	70	1718	1487			70	143	124	
	60	1497	1296			60	141	122	
8 AWG	100	1462	1265	1462	300 MCM	100	86	75	81
	90	1373	1189			90	121	104	
	80	1248	1081			80	128	111	
	70	1117	969			70	131	113	
	60	981	849			60	130	113	
6 AWG	100	918	795	918	350 MCM	100	74	64	69
	90	882	764			90	109	95	
	80	812	703			80	118	102	
	70	734	636			70	122	105	
	60	653	565			60	122	106	
4 AWG	100	578	501	578	400 MCM	100	66	57	60
	90	571	494			90	101	88	
	80	533	462			80	111	96	
	70	489	423			70	115	99	
	60	440	381			60	116	101	
2 AWG	100	367	318	363	500 MCM	100	54	47	48
	90	379	328			90	89	78	
	80	361	313			80	99	86	
	70	337	292			70	105	91	
	60	309	268			60	108	93	
1 AWG	100	291	252	288	600 MCM	100	47	41	40
	90	311	269			90	83	72	
	80	299	259			80	93	81	
	70	284	246			70	99	86	
	60	264	229			60	103	89	
1/0 AWG	100	233	202	229	750 MCM	100	39	34	32
	90	257	222			90	75	65	
	80	252	218			80	86	75	
	70	241	209			70	93	81	
	60	227	106			60	97	84	
2/0 AWG	100	187	162	181	1000 MCM	100	31	27	24
	90	213	184			90	67	58	
	80	212	183			80	79	68	
	70	206	178			70	86	75	
	60	196	169			60	91	78	



TECHNICAL INFO



## UNIT CONVERSION TABLE

UNIT	X CONSTANT	= UNIT	UNIT	X CONSTANT	= UNIT
BTU	778.0	foot-pound (ft-lb)	gallons	3.785332	liters (l)
BTU	1054.8	joules	gallons	0.13368	cubic foot (ft <sup>3</sup> )
BTU	0.293	watt-hours (w-hr)	gallons	231.0	cubic inch (in <sup>3</sup> )
centimeters (cm)	0.032808	feet (ft)	gallons	3785.332	cubic centimeter (cm <sup>3</sup> )
centimeters (cm)	0.3937	inches (in)	grams (g)	15.432	grains
centimeters (cm)	0.00001	kilometers (km)	gram/centimeter <sup>3</sup> (gm/cm <sup>3</sup> )	0.0361275	pounds/in <sup>3</sup> (lb/in <sup>3</sup> )
centimeters (cm)	0.010	meters (m)	horsepower (hp)	33000.0	ft-lb/min
centimeters (cm)	10.0	millimeters (mm)	horsepower (hp)	550.0	ft-lb/sec
circular mils	0.00064516	circular millimeters	horsepower (hp)	745.7	watts (w)
circular mils	0.0000007854	inches <sup>2</sup> (in <sup>2</sup> )	inch (in)	0.027178	yards (yd)
circular mils	0.00050671	square millimeters (mm <sup>2</sup> )	inch (in)	0.083333	feet (ft)
circular mils	0.7854	mils <sup>2</sup>	inch (in)	0.00002540	kilometer (km)
cubic centimeter (cm <sup>3</sup> )	0.000035314	cubic foot (ft <sup>3</sup> )	inch (in)	0.025400	meter (m)
cubic centimeter (cm <sup>3</sup> )	0.061023	cubic inch (in <sup>3</sup> )	inch (in)	2.54000514	centimeter (cm)
cubic centimeter (cm <sup>3</sup> )	0.000001	cubic meter (m <sup>3</sup> )	inch (in)	25.4000514	millimeter (mm)
cubic centimeter (cm <sup>3</sup> )	0.0026417	gallons	inch (in)	1000.0	mils
cubic foot (ft <sup>3</sup> )	1728.0	cubic inch (in <sup>3</sup> )	joules	0.000948	BTU
cubic foot (ft <sup>3</sup> )	28317.016	cubic centimeter (cm <sup>3</sup> )	joules	107	ergs
cubic inch (in <sup>3</sup> )	0.00057870	cubic feet (ft <sup>3</sup> )	liters (l)	61.0250	cubic inch (in <sup>3</sup> )
cubic inch (in <sup>3</sup> )	0.000016387	cubic meter (m <sup>3</sup> )	meters (m)	1.093611	yard (yd)
cubic inch (in <sup>3</sup> )	16.387162	cubic centimeter (cm <sup>3</sup> )	meters (m)	3.2808333	feet (ft)
cubic meter (m <sup>3</sup> )	1000000.0	centimeter (cm)	meters (m)	39.37	inch (in)
cubic meter (m <sup>3</sup> )	35.314456	cubic foot (ft <sup>3</sup> )	meters (m)	100.0	centimeter (cm)
cubic meter (m <sup>3</sup> )	264.17	gallons	miles	1760.0	yards (yd)
feet (ft)	0.00018939	miles	miles	5280.0	feet (ft)
feet (ft)	0.33333	yards (yd)	miles	1.6093	kilometer (km)
feet (ft)	12	inches (in)	millimeters (mm)	0.0032808	feet (ft)
feet (ft)	0.00030480	kilometers (km)	millimeters (mm)	0.03937	inch (in)
feet (ft)	0.30480	meters (m)	millimeters (mm)	0.001	meters (m)
feet (ft)	30.480	centimeters (cm)	millimeters (mm)	0.01	centimeters (cm)
feet (ft)	304.80	millimeters (mm)	millimeters (mm)	39.3701	mils
foot-pound (ft-lb)	0.00067197	meters/grams (m/g)	millimeters (mm)	1000.0	microns (u)
foot-pound (ft-lb)	0.001285	BTU	watts (w)	44.25	ft-lb/minute
foot-pound (ft-lb)	1.356	joules	watts (w)	0.737562	ft-lb/sec
foot-pound (ft-lb)	0.1383	kilogram/meter (kg/m)	watts (w)	0.001341	horsepower (hp)
			watt-hours (w-hr)	3.41266	BTU

# Technical Information TABLES AND GRAPHS



# Technical Information

## TABLES AND GRAPHS

### TEMPERATURE CONVERSION TABLE

**TO USE THIS CHART,** find your known temperature (°F or °C) in the shaded column. If the known temperature is in °C and you wish to know its value in °F, move to the adjacent right-hand column. If the known temperature is in °F and you wish to know its value in °C, move to the adjacent left-hand column.

Temperature Conversion Formulas

°C =  $5/9 (°F - 32)$

°F =  $(9/5 \times °C) + 32$

°C	KNOWN TEMP	°F	°C	KNOWN TEMP	°F	°C	KNOWN TEMP	°F	°C	KNOWN TEMP	°F	°C	KNOWN TEMP	°F
-45.0	-49.0	-56.2	-17.2	1.0	33.8	10.6	51.0	123.8	38.3	101.0	213.8	66.1	151.0	303.8
-44.4	-48.0	-54.4	-16.7	2.0	35.6	11.1	52.0	125.6	38.9	102.0	215.6	66.7	152.0	305.6
-43.9	-47.0	-52.6	-16.1	3.0	37.4	11.7	53.0	127.4	39.4	103.0	217.4	67.2	153.0	307.4
-43.3	-46.0	-50.8	-15.6	4.0	39.2	12.2	54.0	129.2	40.0	104.0	219.2	67.8	154.0	309.2
-42.8	-45.0	-49.0	-15.0	5.0	41.0	12.8	55.0	131.0	40.6	105.0	221.0	68.3	155.0	311.0
-42.2	-44.0	-47.2	-14.4	6.0	42.8	13.3	56.0	132.8	41.1	106.0	222.8	68.9	156.0	312.8
-41.7	-43.0	-45.4	-13.9	7.0	44.6	13.9	57.0	134.6	41.7	107.0	224.6	69.4	157.0	314.6
-41.1	-42.0	-43.6	-13.3	8.0	46.4	14.4	58.0	136.4	42.2	108.0	226.4	70.0	158.0	316.4
-40.6	-41.0	-41.8	-12.8	9.0	48.2	15.0	59.0	138.2	42.8	109.0	228.2	70.6	159.0	318.2
-40.0	-40.0	-40.0	-12.2	10.0	50.0	15.6	60.0	140.0	43.3	110.0	230.0	71.1	160.0	320.0
-39.4	-39.0	-38.2	-11.7	11.0	51.8	16.1	61.0	141.8	43.9	111.0	231.8	71.7	161.0	321.8
-38.9	-38.0	-36.4	-11.1	12.0	53.6	16.7	62.0	143.6	44.4	112.0	233.6	72.2	162.0	323.6
-38.3	-37.0	-34.6	-10.6	13.0	55.4	17.2	63.0	145.4	45.0	113.0	235.4	72.8	163.0	325.4
-37.8	-36.0	-32.8	-10.0	14.0	57.2	17.8	64.0	147.2	45.6	114.0	237.2	73.3	164.0	327.2
-37.2	-35.0	-31.0	-9.4	15.0	59.0	18.3	65.0	149.0	46.1	115.0	239.0	73.9	165.0	329.0
-36.7	-34.0	-29.2	-8.9	16.0	60.8	18.9	66.0	150.8	46.7	116.0	240.8	74.4	166.0	330.8
-36.1	-33.0	-27.4	-8.3	17.0	62.6	19.4	67.0	152.6	47.2	117.0	242.6	75.0	167.0	332.6
-35.6	-32.0	-25.6	-7.8	18.0	64.4	20.0	68.0	154.4	47.8	118.0	244.4	75.6	168.0	334.4
-35.0	-31.0	-23.8	-7.2	19.0	66.2	20.6	69.0	156.2	48.3	119.0	246.2	76.1	169.0	336.2
-34.4	-30.0	-22.0	-6.7	20.0	68.0	21.1	70.0	158.0	48.9	120.0	248.0	76.7	170.0	338.0
-33.9	-29.0	-20.2	-6.1	21.0	69.8	21.7	71.0	159.8	49.4	121.0	249.8	77.2	171.0	339.8
-33.3	-28.0	-18.4	-5.6	22.0	71.6	22.2	72.0	161.6	50.0	122.0	251.6	77.8	172.0	341.6
-32.8	-27.0	-16.6	-5.0	23.0	73.4	22.8	73.0	163.4	50.6	123.0	253.4	78.3	173.0	343.4
-32.2	-26.0	-14.8	-4.4	24.0	75.2	23.3	74.0	165.2	51.1	124.0	255.2	78.9	174.0	345.2
-31.7	-25.0	-13.0	-3.9	25.0	77.0	23.9	75.0	167.0	51.7	125.0	257.0	79.4	175.0	347.0
-31.1	-24.0	-11.2	-3.3	26.0	78.8	24.4	76.0	168.8	52.2	126.0	258.8	80.0	176.0	348.8
-30.6	-23.0	-9.4	-2.8	27.0	80.6	25.0	77.0	170.6	52.8	127.0	260.6	80.6	177.0	350.6
-30.0	-22.0	-7.6	-2.2	28.0	82.4	25.6	78.0	172.4	53.3	128.0	262.4	81.1	178.0	352.4
-29.4	-21.0	-5.8	-1.7	29.0	84.2	26.1	79.0	174.2	53.9	129.0	264.2	81.7	179.0	354.2
-28.9	-20.0	-4.0	-1.1	30.0	86.0	26.7	80.0	176.0	54.4	130.0	266.0	82.2	180.0	356.0
-28.3	-19.0	-2.2	-0.6	31.0	87.8	27.2	81.0	177.8	55.0	131.0	267.8	82.8	181.0	357.8
-27.8	-18.0	-0.4	0.0	32.0	89.6	27.8	82.0	179.6	55.6	132.0	269.6	83.3	182.0	359.6
-27.2	-17.0	1.4	0.6	33.0	91.4	28.3	83.0	181.4	56.1	133.0	271.4	83.9	183.0	361.4
-26.7	-16.0	3.2	1.1	34.0	93.2	28.9	84.0	183.2	56.7	134.0	273.2	84.4	184.0	363.2
-26.1	-15.0	5.0	1.7	35.0	95.0	29.4	85.0	185.0	57.2	135.0	275.0	85.0	185.0	365.0
-25.6	-14.0	6.8	2.2	36.0	96.8	30.0	86.0	186.8	57.8	136.0	276.8	85.6	186.0	366.8
-25.0	-13.0	8.6	2.8	37.0	98.6	30.6	87.0	188.6	58.3	137.0	278.6	86.1	187.0	368.6
-24.4	-12.0	10.4	3.3	38.0	100.4	31.1	88.0	190.4	58.9	138.0	280.4	86.7	188.0	370.4
-23.9	-11.0	12.2	3.9	39.0	102.2	31.7	89.0	192.2	59.4	139.0	282.2	87.2	189.0	372.2
-23.3	-10.0	14.0	4.4	40.0	104.0	32.2	90.0	194.0	60.0	140.0	284.0	87.8	190.0	374.0
-22.8	-9.0	15.8	5.0	41.0	105.8	32.8	91.0	195.8	60.6	141.0	285.8	88.3	191.0	375.8
-22.2	-8.0	17.6	5.6	42.0	107.6	33.3	92.0	197.6	61.1	142.0	287.6	88.9	192.0	377.6
-21.7	-7.0	19.4	6.1	43.0	109.4	33.9	93.0	199.4	61.7	143.0	289.4	89.4	193.0	379.4
-21.1	-6.0	21.2	6.7	44.0	111.2	34.4	94.0	201.2	62.2	144.0	291.2	90.0	194.0	381.2
-20.6	-5.0	23.0	7.2	45.0	113.0	35.0	95.0	203.0	62.8	145.0	293.0	90.6	195.0	383.0
-20.0	-4.0	24.8	7.8	46.0	114.8	35.6	96.0	204.8	63.3	146.0	294.8	91.1	196.0	384.8
-19.4	-3.0	26.6	8.3	47.0	116.6	36.1	97.0	206.6	63.9	147.0	296.6	91.7	197.0	386.6
-18.9	-2.0	28.4	8.9	48.0	118.4	36.7	98.0	208.4	64.4	148.0	298.4	92.2	198.0	388.4
-18.3	-1.0	30.2	9.4	49.0	120.2	37.2	99.0	210.2	65.0	149.0	300.2	92.8	199.0	390.2
-17.8	0.0	32.0	10.0	50.0	122.0	37.8	100.0	212.0	65.6	150.0	302.0	93.3	200.0	392.0



TECHNICAL INFO



## INSULATION PROPERTIES

### TYPICAL PROPERTIES OF COMMON INSULATING MATERIALS

PARAMETER	PVC	PE	PP	XLPE	NYLON	EPDM	TFE	BUTYL RUBBER	SILICONE RUBBER	TPR
Specific Gravity	1.37	0.92	0.89	0.93-1.18	1.09	1.43	2.17	1.40	1.60	1.16-1.20
Dielectric Constant										
(a) 60 Hz	6.0	2.26	2.6	3.0	4.6	3.4	2.1	4.1	3.3	2.8
(b) 1000 Hz	5.0	2.25	850	3.0	4.5	3.4	2.1	4.0	3.1	2.8
Dielectric Strength, v/mil										
(a) 0.010" wall	1800	2100	450	—	1000	700	2000	700	600	625
(b) 0.040" wall	800	1050	2.9-4.5	700	470	500	950	500	400	
Tensile Strength, PSI x 1000	1.5-3.8	1.4-2.4	-40/+105	1.8-2.5	8.8-11.9	0.8-1.2	2.0-6.0	0.5-1.5	0.6-1.2	2.3
Service Temp. Range, °C	-55/+105	-90/+90	700	-55/+105	-55/+105	-55/+105	-90/+260	-40/+90	-80/+200	-55/+90
Elongation, %	200-375	350-550	<0.02	250-400	150-380	250-450	200-500	200-400	125-400	500
Water Absorption, % in 24 hr	<0.75	<0.02	Support	<0.01	2.5	<0.1	<0.01	<1.0	<1.0	<0.6
Flame Resistance	Self-Extinguishing	Support Flame	Flammable	Slow Flame	Self-Extinguishing	Supports Flame	Non-Flammable	Slow Burn	Slow (Non-Cond. Ash)	Flammable
Ozone Resistance	Excellent	Good	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent
Flexibility	Good	Good	Good	Good-Fair	Good-Fair	Excellent	Good	Excellent	Excellent	Excellent
Abrasion Resistance	Good	Good	Fair	Excellent	Excellent	Fair	Excellent	Poor	Poor	Good-Fair
Acid Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Excellent
Base Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent
Hydraulic Fluid Resistance	Good-Fair	Fair-Poor	Fair	Good-Fair	Good-Fair	Good-Fair	Excellent	Poor	Fair-Poor	Poor
Organic Solvent Resistance	Fair-Poor	Poor	Fair	Fair	Good-Fair	Fair-Poor	Excellent	Good-Fair	Poor	Poor

NOTE: The above is representative of performance. For specific compound performance, consult factory.

## JACKET PROPERTIES

### TYPICAL PROPERTIES OF COMMON JACKETING MATERIALS

PARAMETER	PVC	PE	NYLON	CPE	TFE	SILICONE RUBBER	NEOPRENE	POLY-URETHANE	TPR
Specific Gravity	1.37	0.92	1.09	1.46	2.17	1.24	1.52	1.3	1.16-1.20
Tensile Strength, PSI x 1000	1.5-3.8	1.4-2.4	8.8-119	1.2-2.0	2.0-6.0	0.6-1.2	1.5-2.5	>3.5	2.3
Elongation, %	200-375	350-550	150-380	300-500	200-500	125-400	300-500	540-700	500
Service Temp. Range, °C	-55/+105	-80/+75	-55/+105	-50/+105	-90/+200	-80/+200	-65/+90	-65/+75	-55/+90
Ozone Resistance	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent	Good	Excellent
Weatherability	Good-Fair	Excellent-Good	Fair-Poor	Excellent	Excellent	Excellent	Good	Good	Excellent
Flame Resistance	Self-Extinguishing	Supports Flame	Flammable	Self-Extinguishing	Non-Flammable	Slow Burn (Non-Cond. Ash)	Self-Extinguishing	Slow Burn	Flammable
Flexibility	Good	Good	Good-Fair	Excellent	Good	Excellent	Excellent	Excellent	Excellent
Abrasion Resistance	Good	Good	Excellent	Good	Excellent	Poor	Excellent	Excellent	Good-Fair
Acid Resistance	Excellent	Excellent	Poor	Good	Excellent	Poor	Good	Fair	Excellent
Base Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Fair	Excellent
Hydraulic Resistance	Good-Fair	Fair-Poor	Good-Fair	Good	Excellent	Fair-Poor	Good	Poor	Good
Organic Solvent Resistance	Fair-Poor	Poor	Good-Fair	Good	Excellent	Poor	Good	Poor	Poor
Resistance to Tearing	Good	Good	Excellent	Good	Good	Fair	Good	Excellent	Good-Fair

NOTE: The above is representative of performance. For specific compound performance, consult factory.

Technical Information  
TABLES AND GRAPHS

# Technical Information

## TABLES AND GRAPHS

### GOVERNMENT AND MILITARY WIRE & CABLE SPECIFICATIONS

<b>J-C-90</b> .....	Flexible cord and fixture wire	<b>MIL-C-23206</b> .....	Cable, special purpose, electrical. Silicone rubber, water blocked
<b>J-C-96</b> .....	Neoprene jacketed telephone wire	<b>MIL-C-23437</b> .....	Cable, electrical, shielded pairs
<b>J-C-580</b> .....	Flexible cord and fixture wire	<b>MIL-C-24145</b> .....	(Ships) Cable, electrical special purpose for shipboard use (water blocked and non-water blocked) Formerly BuShip 660 L
<b>J-C-074</b> .....	Rubber and/or neoprene welding cable	<b>MIL-C-24640</b> .....	Cable, electrical, lightweight for shipboard use
<b>MIL-C-17</b> .....	Coaxial cable - polyethylene and Teflon dielectric	<b>MIL-C-24643</b> .....	Cable and cord, electrical, low-smoke for shipboard use
<b>MIL-C-915, MIL-C-2194</b> .....	Shipboard cable	<b>MIL-C-25115</b> .....	RG-62 C/U
<b>MIL-C-148610</b> .....	Conductor WM-46/U only	<b>MIL-C-25509</b> .....	RG-115 A U
<b>MIL-C-3078</b> .....	Cable, electric, insulated low-tension single conductor	<b>MIL-C-26468</b> .....	(USAF) Cables, guided missile, ground installation, general requirements for
<b>MIL-C-3432</b> .....	300 and 600 volt rubber-insulated power and control cable	<b>MIL-C-27072</b> .....	Multi-conductor ground support cable
<b>MIL-C-3458</b> .....	Cable, telephone	<b>MIL-C-27212</b> .....	Cable, power, electrical, airport lighting control
<b>MIL-C-3702</b> .....	Cable, power electrical, ignition, high tension	<b>MIL-C-27500</b> .....	Shielded and unshielded aircraft and missile cables
<b>MIL-C-3849</b> .....	Tinsel cord. Light duty low-voltage flexible cord for switchboards, microphones, telephones, etc	<b>MIL-C-36359</b> .....	(USAF) Power cable of two-voltage range for airport lighting 8 AWG(3,000-5,000V) CCLP insulated
<b>MIL-C-3883</b> .....	Cord electrical (audio frequency)	<b>MIL-C-55021</b> .....	Cables, twisted pairs and triples, internal hook-up, shielded and unshielded
<b>MIL-C-3884</b> .....	Conductor electrical (short lay)	<b>MIL-C-55036</b> .....	Cable, telephone, WM130##/6
<b>MIL-C-4839</b> .....	KEL-F insulated cable, WF-15/U	<b>MIL-E-9085</b> .....	(USAF) Electrical cord, WM-85/u
<b>MIL-C-4866</b> .....	RG-62 B/U cable	<b>MIL-E-9088</b> .....	(USAF) Electrical cord, WF-15/u
<b>MIL-C-4921A(ASG)</b> .....	Single conductor 8 AWG 5,000 volt cable with butyl compound insulation and polychloroprene for airport lighting	<b>MIL-R-833</b> .....	(USAF) Rf cable, RG12/u
<b>MIL-C-5136</b> .....	Cable, power, electric, polychloroprene sheathed, buna compound insulated	<b>MIL-STD-122</b> .....	Color code for chassis wiring for electronic equipment
<b>MIL-C-5767</b> .....	Low-temperature rubber portable cords	<b>MIL-STD-681</b> .....	Identification coding and application of hook-up wire
<b>MIL-C-6166</b> .....	Cord, headset-microphone CX1301/AR	<b>MIL-W-76</b> .....	General purpose hook-up wire
<b>MIL-C-7078</b> .....	600 volt aircraft cable		Vinyl insulated types LW, MW and HW
<b>MIL-C-8721 (ASG)</b> .....	Cable, ignition high tension, aircraft quality	<b>MIL-W-438</b> .....	Wire ignition electric power
<b>MIL-C-8721</b> .....	Miniature coaxial cables with Teflon TFE cores	<b>MIL-C-442</b> .....	Thermoplastic or rubber-jacketed two-conductor parallel rip cord
<b>MIL-C-8817 (ASG)</b> .....	Cable ignition, high tension, aircraft quality	<b>MIL-W-583</b> .....	Wire, magnet, electrical
<b>MIL-C-9360</b> .....	RG 134/U cable	<b>MIL-W-3093</b> .....	Wire, insulated, W-121, W-122, W-123, WD15/u, WD-16, WF-9/u, WT-3/u (distributing, frame wires)
<b>MIL-C-10065</b> .....	Cable, special purpose electrical (multi-pair) audio frequency	<b>MIL-W-3104</b> .....	Wire, insulated No. 20 AWG, extra flexible
<b>MIL-C-10369</b> .....	Cable, telephone field, for rapid payout	<b>MIL-W-3975</b> .....	Wire, electrical (tinsel)
<b>MIL-C-10392</b> .....	Cable, special purpose, electric (miniature)	<b>MIL-W-3861</b> .....	Wire, electrical (bare copper)
<b>MIL-C-10581</b> .....	Cables telephone, cable assemblies, telephone, coil assembly, telephone loading	<b>MIL-W-5086</b> .....	600 volt aircraft wire (copper conductors)
<b>MIL-C-11060</b> .....	Cables, twisted pair, internal hook-up, unshielded and shielded	<b>MIL-W-5088</b> .....	Installation of wiring and wiring devices in aircraft
<b>MIL-C-11097</b> .....	Cable, telephone (Wire W-50-A)	<b>MIL-W-5274</b> .....	Spec for aircraft wire, Type I 600V, Type II 600V, Type III 300 rating
<b>MIL-C-11311</b> .....	Telephone cable types WD-31/U and WT-24/U	<b>MIL-W-5845</b> .....	Wire, electrical, iron and constantan, thermocouple
<b>MIL-C-11440</b> .....	Cable, power electrical	<b>MIL-W-5846</b> .....	Wire, electrical, chromel and alumel, thermocouple
<b>MIL-C-12064</b> .....	Low-temperature power cable and cords for Arctic service	<b>MIL-W-5908</b> .....	Wire, electrical, copper and constantan, thermocouple
<b>MIL-C-12423</b> .....	Cable, telephone WD-33 U	<b>MIL-W-6370</b> .....	Wire, electrical, insulated antenna
<b>MIL-C-12881</b> .....	Cables, telephone, switchboard (cable and cable assemblies)	<b>MIL-W-7072</b> .....	600 volt aircraft wiring (aluminum conductors)
<b>MIL-C-12992</b> .....	Cable assembly, power, electrical (Cord CX-227 TVQ-1)	<b>MIL-W-7500</b> .....	Wire, electrical, WS-31-U
<b>MIL-C-13066</b> .....	Cable, telephone (submarine No. 19 AWG and No. 22 AWG)	<b>MIL-W-8160</b> .....	Installation of wire in guided missiles
<b>MIL-C-13077</b> .....	Cable, special purpose, electrical	<b>MIL-W-877</b> .....	600 volt silicone rubber insulated aircraft wire
<b>MIL-C-13486</b> .....	Cables, special purpose electrical: low-tension, heavy-duty, single CDR & multiconductor shielded and unshielded	<b>MIL-W-12349</b> .....	KEL-F insulated hook-up wire
<b>MIL-C-13777</b> .....	Multi-conductor missile ground support cable	<b>MIL-W-12410</b> .....	General purpose hook-up wire similar to MIL-W-76
<b>MIL-C-13892</b> .....	Cable, telephone (flexible)	<b>MIL-W-12995</b> .....	Wire, electrical (W-29 and W-120)
<b>MIL-C-14189</b> .....	Cable, power electrical, 3000 volt for field use.	<b>MIL-W-13075</b> .....	Wire, electrical
<b>MIL-C-15325</b> .....	Cable, tow, electric (three conductor)	<b>MIL-W-13169</b> .....	Wire, electrical (for instrument test leads)
<b>MIL-C-15479</b> .....	Cable, power, electrical, submarine, Navy Standard Harbor Defense	<b>MIL-W-13241</b> .....	Wire, electrical
<b>MIL-C-18959</b> .....	Cable power, electrical, portable neoprene jacketed 600 volt	<b>MIL-W-16400</b> .....	General specification for electronic equipment, Naval ship and shore
<b>MIL-C-18961</b> .....	Cable, special purpose, electrical and wire, electrical, shot	<b>MIL-W-16878</b> .....	Electronic hook-up wire - Includes vinyl (Types B, C, and D), Teflon (Types ET, E, EE, KT, K and KK) and polyethylene (Type J)
<b>MIL-C-18962</b> .....	Cable, power, electrical, direct burial, neoprene jacketed 600 volt	<b>MIL-W-17211</b> .....	(Ships) Wire, electrical, radio antenna 7/12, 7/14, 7/16, 7/18, 7/20, 7/22
<b>MIL-C-19381</b> .....	(Ships) Cables, special purpose, electrical nuclear plant.	<b>MIL-W-19150</b> .....	Wire, insulated, hard-drawn copper
<b>MIL-C-19547</b> .....	Cables, electrical, special purpose, shore use	<b>MIL-W-19583</b> .....	(Navy) Wire, electrical, magnet, high temperature, film insulated
<b>MIL-C-19638</b> .....	Cables, power electric, submarine, Navy Harbor Defense.	<b>MIL-W-21306</b> .....	Wire, electrical twisted pair, color-coded switchboard.
<b>MIL-C-19654</b> .....	Cable, telephone, submarine	<b>MIL-W-22759</b> .....	Teflon and Tefzel insulated airframe wire
<b>MIL-C-19787</b> .....	Cable, electric, torpedo, 65 conductor (torpedo control, electric setting)	<b>MIL-W-25038</b> .....	Wire, electrical, high temperature and fire-resistant aircraft
<b>MIL-C-19883</b> .....	Cables, special purpose, electric, for remote control radar set AN/FPN-28	<b>MIL-W-27300</b> .....	Teflon insulated 600 volt aircraft wire
<b>MIL-C-21069</b> .....	Cable, electrical, shield, 600 volt (non-flexing service)	<b>MIL-W-81044</b> .....	Irradiated wire for aircraft and hook-up
<b>MIL-C-22667</b> .....	Cable, special purpose, buoyant, electrical (submarine use)	<b>MIL-W-81381</b> .....	Wire, electric polyamide insulated copper and copper alloy (Kapton H-film)
<b>MIL-C-23020</b> .....	Coaxial cable for use inside submarines (water blocked)	<b>MIL-W-81822</b> .....	Solid conductor, wire wrap-insulated and unshielded