

**Military Hook-up Wire****MIL-W-16878/4 To /13 (HP3 & HP4)**

MIL-W-16878/4	.010 in. Extruded PTFE	600	SPC	200	32-10
MIL-W-16878/5	.015 in. Extruded PTFE	1000	SPC	200	32-10
MIL-W-16878/6	.006 in. Extruded PTFE	250	SPC	200	32-20
MIL-W-16878/11	.010 in. Extruded FEP	600	SPC	200	32-10
MIL-W-16878/12	.015 in. Extruded FEP	1000	SPC	200	32-10
MIL-W-16878/13	.006 in. Extruded FEP	250	SPC	200	32-20

Mil-W-16878 (NEMA) Wire Specifications

(M16878/)

MIL-W-16878/ 4 B C B 903

Slant Sheet, see below

Conductor Material (MIL-W)	
Letter	Material
B	Coated Copper
C	Coated copper-clad steel
D	Coated high-strength copper alloy

Conductor Material (NEMA)	
Letter	Material
B	Silver-coated copper (SCC)
C	Nickel-coated copper
D	Silver-coated high-strength copper alloy (SCA)
E	Nickel-coated high-strength copper alloy (NCA)
F	Silver-coated copper clad steel (SCCCS)
G	Nickel-coated copper clad steel (NCCCS)

Conductor Size			
Letter	AWG	Letter	AWG
A	32	M	10
B	30	N	8
C	28	P	6
D	26	R	4
E	24	S	2
F	22	T	1
G	20	U	0
H	18	W	2/0
J	16	Y	3/0
K	14	Z	4/0
L	12		

Conductor Stranding			
Letter	Strands	Letter	Strands
A	1	L	133
B	7	M	168
C	10	N	259
D	16	P	665
E	19	R	817
F	26	S	1045
G	37	T	1330
H	41	V	1672
J	65	W	2109
K	105		

Color Code	
Number	Color
0	Black
1	Brown
2	Red
3	Orange
4	Yellow
5	Green
6	Blue
7	Violet
8	Gray
9	White

First color is the base wire color, followed by up to 2 stripes

NEMA HP 3 - E X B C B 903

Type
E, EE, or ET as described below

Construction
W - Wrapped
X - Extruded

Construction Characteristics

MIL-W-16878 Slant	Type	Voltage	Insulation Material	Insulation Wall Thickness	Conductor Plating	Temperature Max Rating (°C)	Notes
M16878/4	E	600V	PTFE (Extruded)	0.010	Silver	200	NEMA HP3 Type
M16878/5	EE	1,000V	PTFE (Extruded)	0.015	Silver	200	NEMA HP3 Type
M16878/6	ET	250V	PTFE (Extruded)	0.006	Silver	200	NEMA HP3 Type
M16878/11	K	600V	FEP (Extruded)	0.010	Silver	200	NEMA HP4 Type
M16878/12	KK	1,000V	FEP (Extruded)	0.015	Silver	200	NEMA HP4 Type
M16878/13	KT	250V	FEP (Extruded)	0.006	Silver	200	NEMA HP4 Type
M16878/20	--	250V	PTFE (Tape)	0.006	Silver	200	
M16878/21	--	600V	PTFE (Tape)	0.010	Silver	200	
M16878/22	--	1,000V	PTFE (Tape)	0.015	Silver	200	
M16878/23	ET	250V	PTFE (Extruded)	0.006	Nickel	260	NEMA HP3 Type
M16878/24	--	250V	PTFE (Tape)	0.006	Nickel	260	
M16878/25	E	600V	PTFE (Extruded)	0.010	Nickel	260	NEMA HP3 Type
M16878/26	--	600V	PTFE (Tape)	0.010	Nickel	260	
M16878/27	EE	1,000V	PTFE (Extruded)	0.015	Nickel	260	NEMA HP3 Type
M16878/28	--	1,000V	PTFE (Tape)	0.015	Nickel	260	