

INCH-POUND
MIL-DTL-16878/33B
w/AMENDMENT 1
12 January 2016
SUPERSEDING
MIL-DTL-16878/33B
11 August 2000

DETAIL SPECIFICATION SHEET

WIRE, ELECTRICAL, POLYETHYLENE INSULATED, 75 DEGREE C,
600 VOLTS, POLYAMIDE COVERING, ABRASION RESISTANT

Inactive for new design after 08 December 2014. For new design, use
National Electrical Manufacturers Association (NEMA) HP 7.

This specification is approved for use by all Departments and Agencies of
the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet
and MIL-DTL-16878.

REQUIREMENTS:

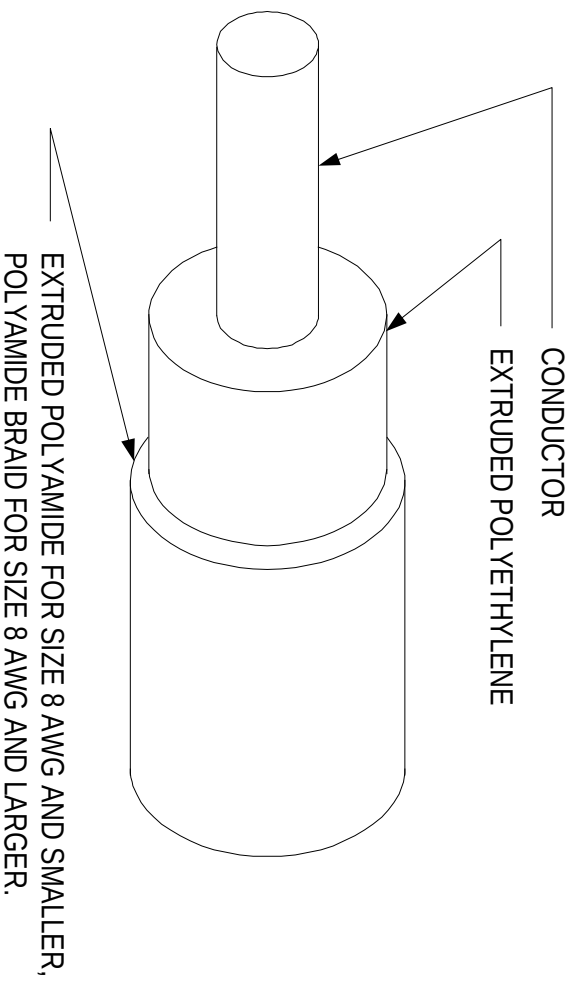


FIGURE 1. Wire configuration.



MIL-DTL-16878/33B
w/AMENDMENT 1

TABLE 1. Wire configuration and dimensions.

PIN ^{1/}	Wire size	Stranding	Conductor		Conductor diameter (nominal) (inch)	Finished wire diameter (inch)		Polyamide thickness (inch)	
			Material ^{2/}	Coating		Min	Max	Min	Max
M16878/33BEA*	24	1 X 24	Copper	Tin	.0201	.045	.057	.002	.004
M16878/33CEA*	24	1 X 24	C.C. steel	Tin	.0201	.045	.057	.002	.004
M16878/33BEB*	24	7 X 32	Copper	Tin	.0240	.049	.061	.002	.004
M16878/33BEE*	24	19 X 36	Copper	Tin	.0250	.049	.061	.002	.004
M16878/33BFA*	24	1 X 22	Copper	Tin	.0254	.051	.064	.002	.004
M16878/33CFA*	22	1 X 22	C.C. steel	Tin	.0254	.051	.064	.002	.004
M16878/33BFB*	22	7 X 30	Copper	Tin	.0300	.056	.068	.002	.004
M16878/33BFE*	22	19 X 34	Copper	Tin	.0320	.056	.068	.002	.004
M16878/33BGA*	20	1 X 20	Copper	Tin	.0320	.060	.072	.002	.004
M16878/33BGB*	20	7 X 28	Copper	Tin	.0380	.066	.078	.002	.004
M16878/33BGE*	20	19 X 32	Copper	Tin	.0400	.066	.078	.002	.004
M16878/33BHA*	18	1 X 18	Copper	Tin	.0403	.068	.081	.002	.004
M16878/33BHB*	18	7 X 26	Copper	Tin	.0480	.076	.088	.002	.004
M16878/33BHE*	18	19 X 30	Copper	Tin	.0500	.076	.088	.002	.004
M16878/33BHD*	18	16 X 30	Copper	Tin	.0470	.075	.087	.002	.004
M16878/33BRL*	4	33 X 25	Copper	Tin	.2690	.349	.363	.007	.014
M16878/33BSL*	2	33 X 23	Copper	Tin	.3350	.413	.443	.007	.014
M16878/33BTN*	1	59 X 25	Copper	Tin	.3780	.461	.493	.007	.014
M16878/33BUN*	0	59 X 24	Copper	Tin	.4240	.509	.539	.007	.014
M16878/33BWN*	00	59 X 23	Copper	Tin	.4770	.579	.613	.007	.014
M16878/33BZN*	0000	59 X 21	Copper	Tin	.6010	.704	.738	.007	.014

Notes:

^{1/} PIN stands for part or identifying number (see figure 2).

^{2/} C.C. stands for copper-clad.

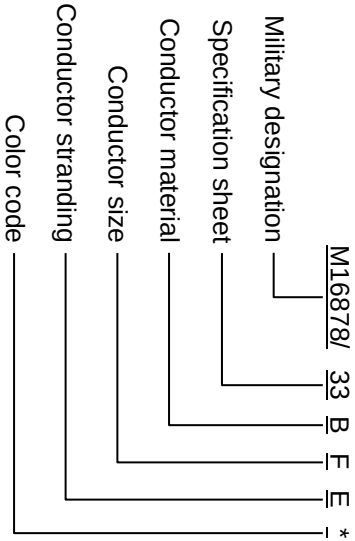


FIGURE 2. Example of PIN (see MIL-DTL-16878G).

Referenced documents: This document references MIL-DTL-16878.

MIL-DTL-16878/33B
w/AMENDMENT 1

CONCLUDING MATERIAL

Custodians:

Navy - SH
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

(Project 6145-2015-046)

Review activity:

Navy – AS

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.