

Military Hook-up Wire

LGM16878/4

- Rating : 200 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-16878/4

Application

MIL-W-16878/4 (Type E) wire is insulated with extruded PTFE (polytetrafluoroethylene). Along with its high reliability, this wire provides excellent solder iron resistance, exceptional electrical and thermal stability, chemical resistance and lower weight than comparable insulation types. Certain standings meet Class C of NAS-703 or MPD-1506 (Type E)

Construction and characteristics



- Conductor** Soft annealed silver plated copper
- Insulation** Single layer of extruded PTFE. Sodium naphthalene etched surfaces are also available for bondability.

Wire Description

LGM16878/4 B E B - 9

1
2
3
↑

Color 0=black, 1=brown, 2=red, 3=orange, 4=yellow, 5=green, 6=blue, 7=violet, 8=gray, 9=white

1. Conductor Material : Detailed in **Table A**
2. Conductor Size : Detailed in **Table B**
3. Conductor Stranding : Detailed in **Table C**

Table A : Conductor Material

Letter	Material
B	Coated copper
C	Coated copper-covered steel
D	Coated high strength copper alloy
E	Coated copper with overall metallic coating

Table B : 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	00
J	16	Y	000
K	14	Z	0000
L	12		

Table C : Conductor Stranding

Letter	Number of Strands	Letter	Number of Strands	Letter	Number of Strands
A	1(Solid)	F	26	L	133
B	7	G	37	M	259
C	10	H	41	N	427
D	16	J	65	P	665
E	19	K	105	R	817

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	Conductor			Finished Wire		
	Size	Stranding	Strand Diameter (mm)	Max. Conductor Resistance (ohm/km)	Outer Diameter (mm)	Max. wt (kg/km)
LSC Part Number	AWG	No. x AWG	Nom.			
LGM16878/4 BHB-*	18	7 x 26	1.220	20.60	1.63 ~ 1.88	11.19
LGM16878/4 BGB-*	20	7 x 28	0.965	32.81	1.37 ~ 1.57	7.52
LGM16878/4 BGA-*	20	1 x 20	0.813	34.45	1.22 ~ 1.42	6.46
LGM16878/4 BFB-*	22	7 x 30	0.762	52.17	1.17 ~ 1.37	5.12
LGM16878/4 BFA-*	22	1 x 22	0.635	55.78	1.04 ~ 1.24	4.39
LGM16878/4 BEB-*	24	7 x 32	0.610	82.68	1.02 ~ 1.22	3.63
LGM16878/4 BEA-*	24	1 x 24	0.508	87.93	0.92 ~ 1.12	3.11
LGM16878/4bdb-*	26	7 x 34	0.483	132.88	0.89 ~ 1.09	2.59
LGM16878/4 BDA-*	26	1 x 26	0.406	140.10	0.82 ~ 1.02	2.25
LGM16878/4 BCA-*	28	1 x 28	0.330	223.11	0.74 ~ 0.94	1.70
LGM16878/4 BBB-*	30	7 x 38	0.305	331.38	0.71 ~ 0.91	1.47
LGM16878/4 BBA-*	30	1 x 30	0.254	354.35	0.66 ~ 0.86	1.31
LGM16878/4 BAB-*	32	7 x 40	0.229	567.61	0.66 ~ 0.86	0.79
LGM16878/4 BAA-*	32	1 x 32	0.203	554.49	0.64 ~ 0.84	0.61