

Military Hook-up Wire

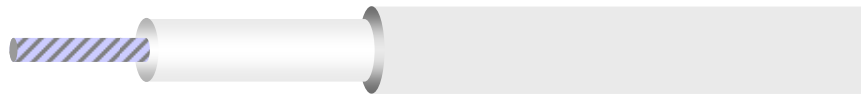
LGM81044/9

- Rating : 150 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-81044/9

Application

This dual layer, lightweight, high temperature wire offers outstanding performance that makes it suitable for many high density cabling and harnessing are required. Besides offering size and weight advantage, these wires have excellent resistance to cut through, abrasion, shrink back and common chemicals. This wire should be considered for airframe, military vehicle, shipboard, and other electronic applications.

Construction and characteristics



- Conductor** Soft annealed tinned copper
- Insulation** Crosslinked Extruded Polyalkene
- Jacket** Clear irradiation cross-linked extruded Polyvinylidene Fluoride (PVdF).

Wire Description

LGM81044/9 - 10 - 9

↑ ↑
Conductor Size Color

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

	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	Min.	Max.			
LGM81044/9-24-*	24	19 x 36	0.585	0.660	85.96	1.33 ~ 1.42	4.02
LGM81044/9-22-*	22	19 x 34	0.737	0.838	53.15	1.50 ~ 1.65	5.80
LGM81044/9-20-*	20	19 x 32	0.940	1.041	32.41	1.71 ~ 1.85	8.18
LGM81044/9-18-*	18	19 x 30	1.169	1.295	20.44	1.96 ~ 2.10	11.90
LGM81044/9-16-*	16	19 x 29	1.321	1.473	15.78	2.16 ~ 2.36	15.03
LGM81044/9-14-*	14	19 x 27	1.651	1.854	10.04	2.65 ~ 2.84	23.06
LGM81044/9-12-*	12	37 x 28	2.134	2.286	6.63	3.10 ~ 3.30	34.22
LGM81044/9-10-*	10	37 x 26	2.693	2.895	4.13	3.81 ~ 4.06	53.12
LGM81044/9-8-*	8	133 x 29	4.014	4.394	2.30	5.29 ~ 5.58	93.45
LGM81044/9-6-*	6	133 x 27	5.030	5.511	1.46	6.53 ~ 6.88	147.76
LGM81044/9-4-*	4	133 x 25	6.350	6.959	0.92	7.93 ~ 8.33	227.66
LGM81044/9-2-*	2	665 x 30	8.128	8.636	0.60	9.86 ~ 10.46	367.54
LGM81044/9-0-*	0	1045 x 30	10.287	10.795	0.38	12.04 ~ 12.85	560.98

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type MH components.

Military Hook-up Wire

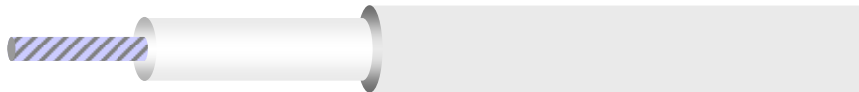
LGM81044/12

- Rating : 150 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-81044/12

Application

This dual layer, lightweight, high temperature wire offers outstanding performance that makes it suitable for many high density cabling and harnessing are required. Besides offering size and weight advantage, these wires have excellent resistance to cut through, abrasion, shrink back and common chemicals. This wire should be considered for airframe, military vehicle, shipboard, and other electronic applications.

Construction and characteristics



- Conductor** Soft annealed tinned copper
Insulation Crosslinked Extruded Polyalkene
Jacket Clear irradiation cross-linked extruded Polyvinylidene Fluoride (PVdF).

Wire Description

LGM81044/12 - 24 - 9

↑ ↑
 Conductor Size Color

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

	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	Min.	Max.			
LGM81044/12-30-*	30	7 x 38	0.280	0.330	355.64	0.64 ~ 0.73	1.06
LGM81044/12-28-*	28	7 x 36	0.356	0.406	255.07	0.72 ~ 0.81	1.43
LGM81044/12-26-*	26	19 x 38	0.458	0.533	135.50	0.82 ~ 0.91	2.08
LGM81044/12-24-*	24	19 x 36	0.585	0.660	85.96	0.97 ~ 1.06	3.12
LGM81044/12-22-*	22	19 x 34	0.737	0.838	53.15	1.15 ~ 1.24	4.61
LGM81044/12-20-*	20	19 x 32	0.940	1.041	32.41	1.35 ~ 1.44	6.84
LGM81044/12-18-*	18	19 x 30	1.169	1.295	20.44	1.61 ~ 1.70	10.42
LGM81044/12-16-*	16	19 x 29	1.321	1.473	15.78	1.76 ~ 1.90	13.24
LGM81044/12-14-*	14	19 x 27	1.651	1.854	10.04	2.16 ~ 2.36	20.68
LGM81044/12-12-*	12	37 x 28	2.134	2.286	6.63	2.65 ~ 2.84	32.29

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type ML components.

Military Hook-up Wire

LGM22759/32

- Rating : 150 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-22759/32

Application

These light weight, high temperature airframe and avionics wires utilize an insulation of cross-linked modified ETFE. The insulation resist high PH cleaning fluids, fuels, lubricating oils and many other chemicals. Besides offering size and weight advantages, these wires can withstands temperature test extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant, and a weight saving solution to many electronic applications.

Construction and characteristics



- Conductor** Soft annealed tinned copper
Insulation Single layer of irradiated cross-linked extruded ETFE

Wire Description

LGM22759/32 - 24 - 9

↑ ↑
 Conductor Size Color

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

	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	Min.	Max.			
LGM22759/32-30-*	30	7 x 38	0.280	0.330	355.64	0.56 ~ 0.66	0.98
LGM22759/32-28-*	28	7 x 36	0.356	0.406	255.07	0.64 ~ 0.73	1.35
LGM22759/32-26-*	26	19 x 38	0.458	0.508	135.50	0.77 ~ 0.86	2.08
LGM22759/32-24-*	24	19 x 36	0.585	0.635	85.96	0.89 ~ 0.99	2.98
LGM22759/32-22-*	22	19 x 34	0.737	0.787	53.15	1.05 ~ 1.14	4.17
LGM22759/32-20-*	20	19 x 32	0.940	0.990	32.41	1.22 ~ 1.32	6.40
LGM22759/32-18-*	18	19 x 30	1.169	1.244	20.44	1.48 ~ 1.57	9.67
LGM22759/32-16-*	16	19 x 29	1.321	1.397	15.78	1.68 ~ 1.77	12.35
LGM22759/32-14-*	14	19 x 27	1.651	1.752	10.04	2.09 ~ 2.23	19.34
LGM22759/32-12-*	12	37 x 28	2.134	2.260	6.63	2.54 ~ 2.69	29.31

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SB components.

Military Hook-up Wire

LGM22759/44

- Rating : 200 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-22759/44

Application

These light weight, high temperature airframe and avionics wires utilize an insulation of cross-linked modified ETFE. The insulation resist high PH cleaning fluids, fuels, lubricating oils and many other chemicals. Besides offering size and weight advantages, these wires can withstands temperature test extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant, and a weight saving solution to many electronic applications.

Construction and characteristics



- Conductor** Soft annealed silver plated copper
Insulation Single layer of irradiated cross-linked extruded ETFE

Wire Description

LGM22759/44 - 24 - 9

↑ ↑
 Conductor Size Color

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

	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	Min.	Max.			
LGM22759/44-28-*	28	7 x 36	0.356	0.406	209.32	0.64 ~ 0.73	1.35
LGM22759/44-26-*	26	19 x 38	0.458	0.508	125.98	0.77 ~ 0.86	2.08
LGM22759/44-24-*	24	19 x 36	0.585	0.635	79.72	0.89 ~ 0.99	2.98
LGM22759/44-22-*	22	19 x 34	0.737	0.787	49.54	1.05 ~ 1.14	4.17
LGM22759/44-20-*	20	19 x 32	0.940	0.990	30.15	1.22 ~ 1.32	6.40
LGM22759/44-18-*	18	19 x 30	1.169	1.244	19.00	1.48 ~ 1.57	9.67
LGM22759/44-16-*	16	19 x 29	1.321	1.397	14.83	1.68 ~ 1.77	12.35
LGM22759/44-14-*	14	19 x 27	1.651	1.752	9.45	2.09 ~ 2.23	19.34
LGM22759/44-12-*	12	37 x 28	2.134	2.260	6.23	2.54 ~ 2.69	29.31

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SR components.

Military Hook-up Wire

LGM22759/45

- Rating : 200 °C conductor temperature, 600 volt, Medium Weight Wall
- Standard : MIL-W-22759/44

Application

These light weight, high temperature airframe and avionics wires utilize an insulation of cross-linked modified ETFE. The insulation resist high PH cleaning fluids, fuels, lubricating oils and many other chemicals. Besides offering size and weight advantages, these wires can withstands temperature test extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant, and a weight saving solution to many electronic applications.

Construction and characteristics



- Conductor** Soft annealed nickel plated copper
Insulation Single layer of irradiated cross-linked extruded ETFE

Wire Description

LGM22759/45 - 24 - 9

↑ ↑
 Conductor Size Color

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

	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	Min.	Max.			
LGM22759/45-28-*	28	7 x 36	0.356	0.406	222.77	0.64 ~ 0.73	1.35
LGM22759/45-26-*	26	19 x 38	0.458	0.508	138.45	0.77 ~ 0.86	2.08
LGM22759/45-24-*	24	19 x 36	0.585	0.635	84.97	0.89 ~ 0.99	2.98
LGM22759/45-22-*	22	19 x 34	0.737	0.787	52.49	1.05 ~ 1.14	4.17
LGM22759/45-20-*	20	19 x 32	0.940	0.990	32.05	1.22 ~ 1.32	6.40
LGM22759/45-18-*	18	19 x 30	1.169	1.244	20.01	1.48 ~ 1.57	9.67
LGM22759/45-16-*	16	19 x 29	1.321	1.397	15.62	1.68 ~ 1.77	12.35
LGM22759/45-14-*	14	19 x 27	1.651	1.752	9.84	2.09 ~ 2.23	19.34
LGM22759/45-12-*	12	37 x 28	2.134	2.260	6.50	2.54 ~ 2.69	29.31

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SR components.

Military Hook-up Wire

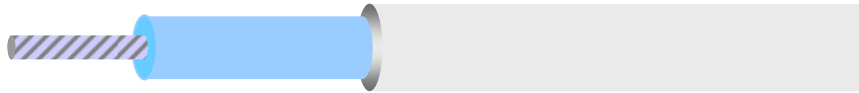
LGM22759/34

- Rating : 150 °C conductor temperature, 600 volt, Normal Weight Wall
- Standard : MIL-W-22759/34

Application

These normal weight, high temperature airframe and avionics wire utilize a dual layer insulation of cross-linked, modified ETFE. The contrasting colors provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. The insulation resists high PH cleaning fluids, fuels, lubricating oils and many other chemicals. These wires can withstand temperature extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant and weight saving solution to many electronic solutions.

Construction and characteristics



Conductor Soft annealed tinned copper

Insulation Dual Layer of irradiation cross-linked extruded ETFE. The primary insulation shall be of contrasting pigmentation to that of the outer insulation

Wire Description

LGM22759/34 - 24 - 9

↑ ↑
Conductor Size Color

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

	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	Min.	Max.			
LGM22759/34-24-*	24	19 x 36	0.585	0.635	85.96	1.10 ~ 1.19	3.42
LGM22759/34-22-*	22	19 x 34	0.737	0.787	53.15	1.22 ~ 1.32	4.76
LGM22759/34-20-*	20	19 x 32	0.940	0.990	32.41	1.43 ~ 1.52	6.99
LGM22759/34-18-*	18	19 x 30	1.169	1.244	20.44	1.71 ~ 1.85	10.71
LGM22759/34-16-*	16	19 x 29	1.321	1.397	15.78	1.88 ~ 2.03	13.39
LGM22759/34-14-*	14	19 x 27	1.651	1.752	10.04	2.32 ~ 2.46	20.53
LGM22759/34-12-*	12	37 x 28	2.134	2.260	6.63	2.75 ~ 2.89	30.50
LGM22759/34-10-*	10	37 x 26	2.693	2.870	4.13	3.31 ~ 3.50	48.21
LGM22759/34-8-*	8	133 x 29	4.014	4.394	2.30	4.75 ~ 5.15	95.53
LGM22759/34-6-*	6	133 x 27	5.030	5.511	1.46	5.87 ~ 6.37	144.04
LGM22759/34-4-*	4	133 x 25	6.350	6.959	0.92	7.62 ~ 8.12	242.54

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SD components.

Military Hook-up Wire

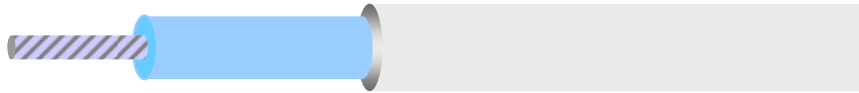
LGM22759/41

- Rating : 200 °C conductor temperature, 600 volt, Normal Weight Wall
- Standard : MIL-W-22759/41

Application

These normal weight, high temperature airframe and avionics wire utilize a dual layer insulation of cross-linked, modified ETFE. The contrasting colors provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. The insulation resists high PH cleaning fluids, fuels, lubricating oils and many other chemicals. These wires can withstand temperature extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant and weight saving solution to many electronic solutions.

Construction and characteristics



Conductor Soft annealed nickel plated copper

Insulation Dual Layer of irradiation cross-linked extruded ETFE. The primary insulation shall be of contrasting pigmentation to that of the outer insulation

Wire Description

LGM22759/41 - 24 - 9

↑ ↑
Conductor Size Color

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

	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	Min.	Max.			
LGM22759/41-26-*	26	19 x 38	0.458	0.508	138.45	0.97 ~ 1.06	2.53
LGM22759/41-24-*	24	19 x 36	0.585	0.635	84.97	1.10 ~ 1.19	3.42
LGM22759/41-22-*	22	19 x 34	0.737	0.787	52.49	1.22 ~ 1.32	4.76
LGM22759/41-20-*	20	19 x 32	0.940	0.990	32.05	1.43 ~ 1.52	6.99
LGM22759/41-18-*	18	19 x 30	1.169	1.244	20.01	1.71 ~ 1.85	10.71
LGM22759/41-16-*	16	19 x 29	1.321	1.397	15.62	1.88 ~ 2.03	13.39
LGM22759/41-14-*	14	19 x 27	1.651	1.752	9.84	2.32 ~ 2.46	20.53
LGM22759/41-12-*	12	37 x 28	2.134	2.260	6.50	2.75 ~ 2.89	30.50
LGM22759/41-10-*	10	37 x 26	2.693	2.870	4.07	3.31 ~ 3.50	48.21
LGM22759/41-8-*	8	133 x 29	4.014	4.394	2.28	4.75 ~ 5.15	95.53
LGM22759/41-6-*	6	133 x 27	5.030	5.511	1.43	5.87 ~ 6.37	144.04
LGM22759/41-4-*	4	133 x 25	6.350	6.959	0.90	7.62 ~ 8.12	242.54

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SM components.

Military Hook-up Wire

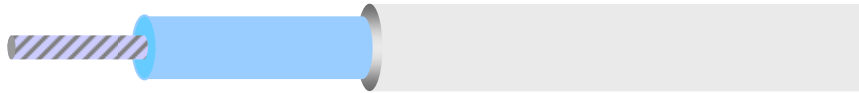
LGM22759/43

- Rating : 200 °C conductor temperature, 600 volt, Normal Weight Wall
- Standard : MIL-W-22759/43

Application

These normal weight, high temperature airframe and avionics wire utilize a dual layer insulation of cross-linked, modified ETFE. The contrasting colors provide a visual indication of possible abrasion or other mechanical damage due to physical abuse during service or installation. The insulation resists high PH cleaning fluids, fuels, lubricating oils and many other chemicals. These wires can withstand temperature extremes ranging from cold bend at -65 °C through aging at 300 °C for 7 hours. These wires are mechanically tough, flame retardant and weight saving solution to many electronic solutions.

Construction and characteristics



- Conductor** Soft annealed silver plated copper
- Insulation** Dual Layer of irradiation cross-linked extruded ETFE. The primary insulation shall be of contrasting pigmentation to that of the outer insulation

Wire Description

LGM22759/43 - 24 - 9

↑ ↑
Conductor Size Color

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

	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	Min.	Max.			
LGM22759/43-26-*	26	19 x 38	0.458	0.508	125.98	0.97 ~ 1.06	2.53
LGM22759/43-24-*	24	19 x 36	0.585	0.635	79.72	1.10 ~ 1.19	3.42
LGM22759/43-22-*	22	19 x 34	0.737	0.787	49.54	1.22 ~ 1.32	4.76
LGM22759/43-20-*	20	19 x 32	0.940	0.990	30.15	1.43 ~ 1.52	6.99
LGM22759/43-18-*	18	19 x 30	1.169	1.244	19.00	1.71 ~ 1.85	10.71
LGM22759/43-16-*	16	19 x 29	1.321	1.397	14.83	1.88 ~ 2.03	13.39
LGM22759/43-14-*	14	19 x 27	1.651	1.752	9.45	2.32 ~ 2.46	20.53
LGM22759/43-12-*	12	37 x 28	2.134	2.260	6.23	2.75 ~ 2.89	30.50
LGM22759/43-10-*	10	37 x 26	2.693	2.870	3.90	3.31 ~ 3.50	48.21
LGM22759/43-8-*	8	133 x 29	4.014	4.394	2.16	4.75 ~ 5.15	95.53
LGM22759/43-6-*	6	133 x 27	5.030	5.511	1.37	5.87 ~ 6.37	144.04
LGM22759/43-4-*	4	133 x 25	6.350	6.959	0.87	7.62 ~ 8.12	242.54

► Remarks

Cables may be assembled using the requirements of MIL-C-27500, using Type SR components.

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 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

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		

Military Hook-up Wire

LGM16878/4

LSC Part Number	Conductor			Finished Wire		
	Size	Stranding	Strand Diameter (mm)	Max. Conductor Resistance (ohm/km)	Outer Diameter (mm)	Max. wt (kg/km)
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
LGM16878/4 BDB-*	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

MIL-DTL-27500 Cable

LGM27500 Cables

Construction Characteristics

All MIL-DTL-27500 cables are designated by a seven digit code that indicates the exact construction of each cable.

L
G
M
2
7
5
0
0
2
4
S
P
1
S
2
3

1
2
3
4
5
6

- 1. Military Specification :** M27500 is used to designate Mil-DTL-27500
- 2. Conductor Size :** This position identifies the wire AWG. LS Cable can manufacture cables utilizing wire AWG's of 30-2/0, depending on Basic Wire Specification.
- 3. Basic Wire Specification :** The component wires are identified by a two letter code. Cables utilizing LS Cable's components are detailed in **Table A**.
- 4. Number of Conductors :** M27500 currently specifies from 1 to 15 conductors for shielded and jacketed cables, and from 2 to 15 for unshielded unjacketed or unshielded jacketed cables.
- 5. Shield :** The specific shield style and material are designated by a single letter code. Detailed in **Table B**.
- 6. Jacket :** Cable jacketing materials are specified with two digit code. Detailed in **Table C**.

Table A : Letter Code Base Description

Base Specification	Material Available	Description	Wire AWG
SB	MIL-W-22759 / 32	Single Insulation, Tin Coated Cooper	30-12
SC	MIL-W-22759 / 33	Single Insulation, Silver Coated High Strength Copper Alloy	30-20
SD	MIL-W-22759 / 34	Dual Insulation, Tin Coated Cooper	24-2/0
SE	MIL-W-22759 / 35	Dual Insulation, Silver Coated High Strength Copper Alloy	26-20
SM	MIL-W-22759 / 41	Dual Insulation, Nickel Coated Copper	26-2/0
SN	MIL-W-22759 / 42	Dual Insulation, Nickel Coated High Strength Copper Alloy	26-20
SP	MIL-W-22759 / 43	Dual Insulation, Silver Coated Cooper	26-2/0
SR	MIL-W-22759 / 44	Single Insulation, Silver Coated Cooper	28-12
SS	MIL-W-22759 / 45	Single Insulation, Nickel Coated Cooper	28-12
ST	MIL-W-22759 / 46	Single Insulation, Nickel Coated High Strength Copper Alloy	28-20
WB	MIL-W-22759 / 80	Composite Insulation (Light weight), Tin Coated Copper	26-14
WC	MIL-W-22759 / 81	Composite Insulation (Light weight), Silver Coated High Strength or Ultra High Strength Copper Alloy	26-20
WE	MIL-W-22759 / 82	Composite Insulation (Light weight), Nickel Coated High Strength or Ultra High Strength Copper Alloy	26-20
WJ	MIL-W-22759 / 86	Composite Insulation (Normal weight), Silver Coated Copper	26-14
WK	MIL-W-22759 / 87	Composite Insulation (Normal weight), Nickel Coated Copper	26-14
W	MIL-W-22759 / 88	Composite Insulation (Normal weight), Tin Coated Copper	26-14
WM	MIL-W-22759 / 89	Composite Insulation (Normal weight), Silver Coated High Strength or Ultra High Strength Copper Alloy	26-20
WN	MIL-W-22759 / 90	Composite Insulation (Normal weight), Nickel Coated High Strength or Ultra High Strength Copper Alloy	26-20
WP	MIL-W-22759 / 91	Composite Insulation (Light weight), Silver Coated Copper	26-14
WR	MIL-W-22759 / 92	Composite Insulation (Light weight), Nickel Coated Copper	26-14

MIL-DTL-27500 Cable

LGM27500 Cables

Table B : Shield Letter Code

Single Shield	Double Shield	Description
U	-	No Shield
T	V	Round, Tin Coated Copper
S	W	Round, Silver Coated Copper
N	Y	Round, Nickel Coated Copper
M	K	Round, Silver Coated High Strength Copper Alloy
P	L	Round, Nickel Coated High Strength Copper Alloy
G	A	Flat, Silver Coated Copper
H	B	Flat, Silver Coated High Strength Copper Alloy
*	#	Flat, Nickel-Coated Copper
J	D	Flat, Tin Coated Copper
E	X	Flat Nickel Coated High Strength Copper Alloy

Table C : Jacket Letter Code

Single Shield	Double Shield	Description	Temp-Rating
00	00	No Jacket	-
06	56	Extruded or taped and heat sealed white polytetrafluoroethylene (PTFE)	260°C (500°F)
09	59	Extruded white fluorinated ethylene propylene (FEP)	200°C (392°F)
14	64	Extruded white, Ethylene-tetrafluoroethylene copolymer (ETFE)	150°C (302°F)
23	73	White, Crosslinked, extruded, modified, Ethylene-tetrafluoroethylene copolymer (XLETFE)	200°C (392°F)
24	74	Tape layer of white polytetrafluoroethylene (PTFE) wrapped over a tape layer of natural polyimide combined with FEP and heat sealed.	200°C (392°F)