

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

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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.