

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

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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)				
LSC Part Number	AWG	No. x AWG	Min.	Max.	Max. Conductor Resistance (ohm/km)	Outer Diameter (mm)	Max. wt (kg/km)
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.