

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

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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.			
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.