

ANIXER

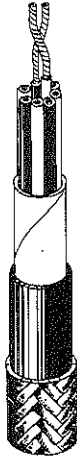
MIL-C-24643 (LOW SMOKE)

TYPE LSMNW, LSMNWA

MIL-C-24643/51
7 Through 44 Conductors, 1000 Volts
Nonwatertight, Nonflexing Service
18 AWG

APPLICATIONS:

Types LSMNW/A cables are multiconductor armored or unarmored. These cables may be used for power, lighting, or weapons control system interconnection except where unusual circuit parameters require a special type of cable. This type cable shall be used only for runs that are either totally within one compartment or totally within two contiguous compartments. However, these type cables shall not be used where a watertight deck or watertight bulkhead below flooding water level II (FWL-II) is penetrated.



SPECIFICATIONS:

1. CONDUCTOR: Stranded bare copper.
 2. INSULATION: Cross-linked polyethylene.
 3. IDENTIFICATION: Standard identification code by Method 1.
 4. ASSEMBLY: The required number of conductors cabled consecutively, fillers, binder.
 5. OVERALL JACKET: Cross-linked polyolefin, surface marking.
 6. AMPACITY: Calculated at 60 Hz AC (rms) or DC for 75°C conductor temperature.
- LSMNWA, same construction with overall braided aluminum armor.

Anixter Number Type & Size	Military/Part Number M24643/51	Number of Cond.	Nominal O.D.				Cold Bend Mandrel Dia.		Amps Per Conductor		Approximate Weight	
			LSMNW		LSMNWA		Max. IN	Max. IN	40°C	50°C	LSMNW	LSMNWA
			Min. IN	Max. IN	Min. IN	Max. IN						
LSMNW/A-7	-01UN	7	.370	.400	.420	.450	3	12/8*	9/6*	.088	.111	
LSMNW/A-10	-02UN	10	.457	.495	.507	.545	3	12/8	9/6	.127	.154	
LSMNW/A-14	-03UN	14	.494	.535	.544	.585	4	12/8	9/6	.155	.181	
LSMNW/A-19	-04UN	19	.545	.590	.595	.640	4	12/8	9/6	.198	.231	
LSMNW/A-24	-05UN	24	.633	.685	.683	.735	5	12/6	9/5	.259	.292	
LSMNW/A-30	-06UN	30	.670	.725	.720	.775	5	12/6	9/5	.300	.339	
LSMNW/A-37	-07UN	37	.726	.783	.776	.835	6	12/6	9/5	.361	.395	
LSMNW/A-44	-08UN	44	.823	.890	.873	.940	7	12/5	9/4	.447	.489	

/ Change UN to AN for LSMNWA (armored).

* Ind/avg indicates the maximum current per conductor (ind.) and the maxi-conductors in the cable are used.
NOTE: Conductor temperature not specified in MIL-HDBIC-XXX, Cable Comparison Handbook Electric Shipboard Cable, 1986.

Diameters and weights may vary between manufacturers.