

MIL-DTL-24643

/15-18, 20, 26, 66-68 & 71-73

Types: Various LS

APPLICATION

These cables have insulated conductors manufactured with a combination of silicone and glass braids which provide circuit integrity in case of a catastrophic fire. All constructions are watertight with the exception of slant sheets 71 thru 73. The overall jacket is an irradiation cross-linked low smoke polyolefin for all slant sheets except 26 which is a low smoke red silicone rubber. The silicone rubber jacketed cables are armored with an aluminum braid to provide mechanical protection.

Low Smoke Power Distribution and Lighting with
Circuit Integrity Cables



CONDUCTOR

Various, as listed in the table.

INSULATION

Watertight silicone and glass braids.

JACKET

Irradiation XL low smoke polyolefin. /26 is a low smoke red silicone rubber.

PLEASE NOTE

* "S" at the end of the part number indicates that the cable has a double overall shield. The shields are constructed to provide 60 db shielding from dc to 100 MHz.

Cable Type	Size	Slant Sheet	MIL Part Number	Conductor		Shield/ Armor	Product Description
				AWG	Stranding		
LSDSGU	3-23	15	-01UN thru -05UN	16-7	7	N	2 conductors, overall XLPO jacket. Navy sizes 3 thru 23 are available.
LSTSGU	3-23	16	-01UN thru -05UN	16-7	7	N	3 conductors, overall XLPO jacket. Navy sizes 3 thru 23 are available.
LSFSGU	3-23	17	-01UN thru -04UN	16-7	7	N	4 conductors, overall XLPO jacket. Navy sizes 3 thru 23 are available.
LSMSCU	7-91	18	-01UN thru -10UN	18	7	N	7,10,14,19,24,30,37,44,61 & 91 conductors, overall XLPO jacket.
LSMSCS*	7-91	18	-01UD thru -10UD	18	7	Shield	7,10,14,19,24,30,37,44,61 & 91 conductors, overall double shield, XLPO jacket.
LS7SGU	3	20	-01UN	16	7	N	7 conductors, overall XLPO jacket.
	4		-02UN	14			
LSDPS	3-14	26	-01AN thru -05AN	16-9	7	Armor	2 conductors, overall silicone jacket.
LSTPS	3-30	26	-06AN thru -12AN	16-9	7	Armor	3 conductors, overall silicone jacket. Navy sizes 3 thru 30 are available.
LSFPS	14	26	-13AN	9	7	Armor	4 conductors, overall silicone jacket.
LS7PS	6 & 14	26	-14AN & -15AN	12 & 9	7	Armor	7 conductors, overall silicone jacket.
LS2OW	3-200	66	-01UO thru -09UO	16-4/0	Various	Shield	2 conductors, overall XLPO jacket.
LS3OW	3 thru 400	67	-01UO thru -11UO	16 thru 400 MCM	Various	Shield	3 conductors, overall XLPO jacket.
LS4OW	3 thru 200	68	-01UO thru -09UO	16 thru 4/0	Various	Shield	4 conductors, overall XLPO jacket.
LSSCF	3 thru 400	71	-01UN thru -15UN	16 thru 400 MCM	Various	N	1 conductor, overall XLPO jacket.
LSFCF	42	72	-01UO	16 & 4	Various	Shield	4 conductors of 4AWG & 4 conductors of 16AWG, overall shield and XLPO jacket.
LSTCF	200	73	-01UN	4/0	550/24	N	3 conductors, overall XLPO jacket.

The above part numbers represent the more popular constructions. However, other designs are available upon request. All products are manufactured to meet RoHS compliance. For exceptions, please contact our sales department.

