

MIL-DTL-24643 /21 & 24

Types: LSTCJU, LSTCJA, LSTCTU, LSTCTA, LSTCJX, LSTCKX, LSTCTX

APPLICATION

MIL-DTL-24643 Slant Sheets 21 and 24 utilize insulated conductors manufactured with a combination of silicone and glass braids which provide circuit integrity in case of a catastrophic fire. They are used for thermocouple or pyrometer applications. These constructions are watertight. The overall jacket is an irradiation cross-linked low smoke polyolefin for Slant Sheet 21 and a low smoke, red silicone rubber for Slant Sheet 24. The silicone rubber jacketed cables are armored with an aluminum braid to provide mechanical protection.

Low Smoke Thermocouple Cables



CONDUCTOR

Various, as listed in the table below.

INSULATION

Watertight silicone and glass braids.

JACKET

Irradiation XL low smoke polyolefin (/21); low smoke red silicone rubber (/24).

Cable Type	Size	Slant Sheet	MIL Part Number	Conductor		Armor	Product Description
				AWG	Stranding		
LSTCJU	4	21	-01UN	14	7	N	Iron & Constantan Thermocouple pair.
LSTCJA	4	21	-03AN	14	7	Y	Iron & Constantan Thermocouple pair.
LSTCTU	4	21	-02UN	14	7	N	Copper & Constantan Thermocouple pair.
LSTCTA	4	21	-04AN	14	7	Y	Copper & Constantan Thermocouple pair.
LSTCJX	3	24	-01AN	16	7	Y	Iron & Constantan Thermocouple, silicone jacket, 3-12 pairs.
	7		-02AN				
	12		-03AN				
LSTCKX	1	24	-04AN	16	7	Y	Chromel & Alumel Thermocouple, silicone jacket, 1-12 pairs.
	3		-05AN				
	7		-06AN				
	12		-07AN				
LSTCTX	1	24	-08AN	21	7	Y	Copper & Constantan Thermocouple, silicone jacket, 1-12 pairs.
	3		-09AN				
	7		-10AN				
	12		-11AN				

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.

