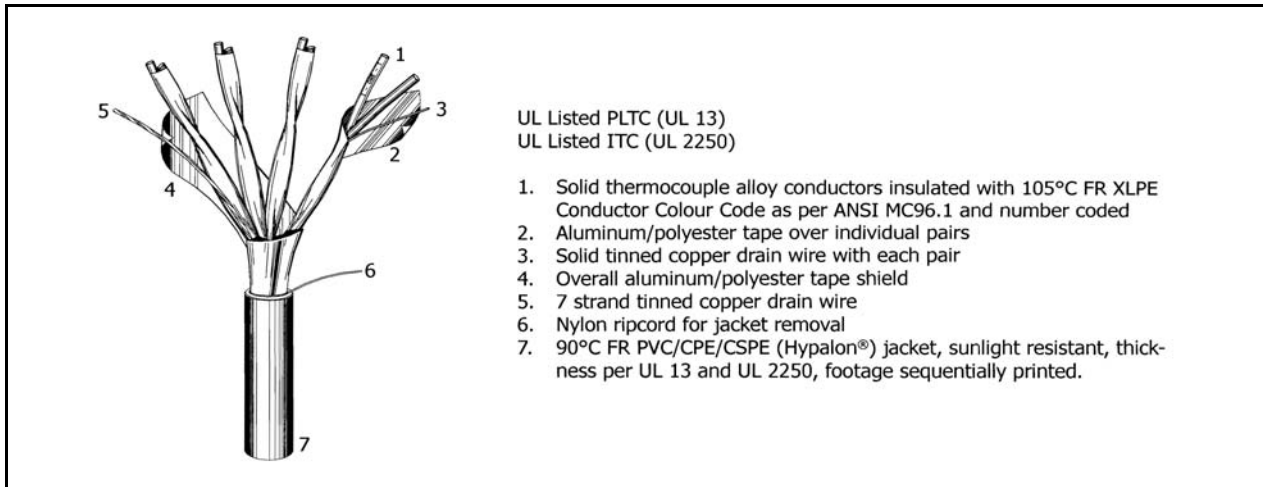


300V XLPE PLTC/ITC THERMOCOUPLE CABLE OVERALL AND INDIVIDUAL SHIELD



USAWC PART #	# of Pairs	UNARMORED			INTERLOCKED ALUMINUM ARMOR		
		Jacket Thickness In.	Nominal OD In.	Weight lbs/1000 ft	Jacket Thickness In.	Nominal OD In.	Weight lbs/1000 ft
20 AWG							
20-01POSKXXCPE	1	.035	.215	26	.040	.523	113
20-02SPOSKXXCPE	2	.040	.344	60	.050	.672	184
20-04SPOSKXXCPE	4	.040	.393	85	.050	.721	225
20-06SPOSKXXCPE	6	.050	.487	128	.050	.815	290
20-08SPOSKXXCPE	8	.050	.524	157	.050	.852	329
20-12SPOSKXXCPE	12	.050	.649	231	.050	.977	432
20-16SPOSKXXCPE	16	.060	.717	288	.050	1.044	505
20-24SPOSKXXCPE	24	.060	.877	410	.050	1.225	669
20-36SPOSKXXCPE	36	.070	1.024	597	.050	1.372	891
20-50SPOSKXXCPE	50	.070	1.177	794	.050	1.525	1125
18 AWG							
18-01POSKXXCPE	1	.035	.231	32	.050	.559	134
18-02SPOSKXXCPE	2	.040	.372	74	.050	.700	209
18-04SPOSKXXCPE	4	.050	.448	117	.050	.775	270
18-06SPOSKXXCPE	6	.050	.530	165	.050	.858	338
18-08SPOSKXXCPE	8	.050	.571	204	.050	.899	386
18-12SPOSKXXCPE	12	.060	.709	302	.050	1.036	517
18-16SPOSKXXCPE	16	.060	.784	380	.050	1.132	617
18-24SPOSKXXCPE	24	.070	.987	568	.050	1.335	854
18-36SPOSKXXCPE	36	.070	1.125	799	.050	1.473	1118
18-50SPOSKXXCPE	50	.080	1.316	1097	.060	1.684	1493
16 AWG							
16-01POSKXXCPE	1	.035	.253	42	.050	.581	149
16-02SPOSKXXCPE	2	.050	.432	106	.050	.760	255
16-04SPOSKXXCPE	4	.050	.495	159	.050	.823	323
16-06SPOSKXXCPE	6	.050	.590	226	.050	.917	413
16-08SPOSKXXCPE	8	.060	.657	297	.050	.985	500
16-12SPOSKXXCPE	12	.060	.791	422	.050	1.139	661
16-16SPOSKXXCPE	16	.060	.877	535	.050	1.225	795
16-24SPOSKXXCPE	24	.070	1.106	804	.050	1.454	1119
16-36SPOSKXXCPE	36	.070	1.264	1143	.050	1.612	1495
16-50SPOSKXXCPE	50	.080	1.479	1575	.060	1.647	2013

Replace K in the part number with E for EX, J for JX, N for NX, S for SX and T for TX.

Replace CPE in the part number with AIA for Aluminum Interlocked Armor

Replace CPE in the part number with SWA for Steel Served Wire Armor

Jackets: KX - yellow jacket, EX - purple jacket, JX - black jacket, NX - orange jacket, SX - green jacket, TX - blue jacket

Solid conductors are standard; stranded is available upon request.

300V XLPE PLTC/ITC THERMOCOUPLE CABLE

- Conductors:** Solid thermocouple extension alloy conductors as per ANSI MC96.1. Stranded thermocouple extension alloys are available upon request.
- Insulation:** 105°C FR XLPE. Minimum average insulation thickness for 20,18 and 16 AWG is .0015 in. VW-1 rated conductors are available upon request.
- Conductor Assembly:** Two insulated conductors are twisted together to form a pair. Individually shielded pairs have a finished lay of 2.5 inches. Unshielded pairs have staggered lays to reduce electromagnetic interference and cross talk.
- Shielding:** Pairs are shielded with 100% coverage aluminum/polyester tape and include a tinned copper drain wire. Shield tape provides total shield isolation from all other shields. Cabled pairs and triads are overall shielded with 100% coverage aluminum/polyester tape including a 20 AWG, seven strand tinned copper drain wire. Aluminum/polyester tape thickness is .00135 in. Overall shielded designs with copper tape or braided tinned copper are also available.
- Conductor Identification:** Thermocouple pairs are color coded as per ANSI MC96.1 and number coded.
- Jacket:** 90°C FR PVC, sunlight resistant, thickness per UL 13 and UL 2250, footage sequentially printed. Suitable for -70°C environment.
- Black 90°C FR, sunlight resistant Thermoplastic Chlorinated Polyethylene (CPE) rated Oil Res I and Oil Res II.
- Black 90°C FR, sunlight resistant Thermoset Chlorosulfonated Polyethylene (CSPE), commonly referred to as Hypalon®, rated Oil Res I and Oil Res II
- Thermocouple extension cables use the ANSI color corresponding to the thermocouple extension alloy type contained in the construction. Additional colors are available upon request.
- UL Listing Features:** UL listed 300V Power Limited Tray Cable (PLTC)/Instrumentation Tray Cable (ITC) to UL 13 and UL 2250:
- For use in Class I, Zone 2 and Class II, Division 2 Hazardous Locations
 - Sunlight Resistant
 - Passes 70,000 BTU Vertical Tray Flame Tests for IEEE 383, IEEE 1202 and UL 1685
 - Overall cable rated 105°C per UL
- Optional Armor and Jacket:** Optional galvanized steel and aluminum interlocked armor may be supplied. The armor is covered with the same FR PVC jacket as the inner jacket.
- Galvanized steel served wire armor is also available and is recommended for vertical riser applications.
- Elements:**
- | | |
|----|-----------------------|
| JX | +Iron, -Constantan |
| KX | +Chromel, -Alumel |
| TX | +Copper, -Constantan |
| EX | +Chromel, -Constantan |
| NX | +Nicrosil, -Nisil |
| SX | +Copper, -Alloy 11 |