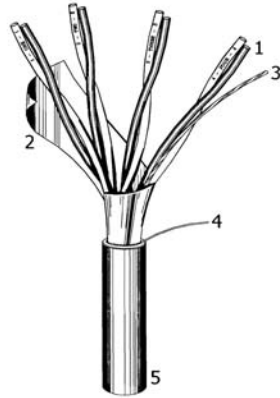


300V PVC PLTC/ITC THERMOCOUPLE CABLE OVERALL SHIELD



UL Listed PLTC (UL 13)
UL Listed ITC (UL 2250)

1. Solid thermocouple extension alloy conductors insulated with 105°C PVC
Conductor Colour Code as per ANSI MC96.1 and number coded
2. Aluminum/polyester tape overall shield
3. 7 strand tinned copper drain wire
4. Nylon ripcord for jacket removal
5. 90°C FR PVC jacket, sunlight resistant, thickness per UL 13 and UL 2250, footage sequentially printed.

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							
20-01POSKXPVC	1	.035	.203	24	.035	.501	104
20-02POSKXPVC	2	.040	.299	47	.035	.597	145
20-04POSKXPVC	4	.040	.339	65	.040	.647	180
20-06POSKXPVC	6	.050	.420	98	.040	.728	230
20-08POSKXPVC	8	.050	.450	118	.040	.758	257
20-12POSKXPVC	12	.050	.536	160	.040	.844	318
20-16POSKXPVC	16	.050	.591	201	.050	.919	388
20-24POSKXPVC	24	.060	.742	300	.050	1.071	524
20-36POSKXPVC	36	.060	.843	416	.050	1.191	667
20-50POSKXPVC	50	.070	.993	574	.050	1.341	861
18 AWG							
18-01POSKXPVC	1	.035	.231	32	.035	.529	118
18-02POSKXPVC	2	.040	.348	64	.035	.656	180
18-04POSKXPVC	4	.050	.418	97	.040	.726	229
18-06POSKXPVC	6	.050	.493	134	.040	.801	283
18-08POSKXPVC	8	.050	.530	166	.040	.838	322
18-12POSKXPVC	12	.060	.657	243	.040	.985	446
18-16POSKXPVC	16	.060	.726	304	.050	1.054	524
18-24POSKXPVC	24	.060	.889	435	.050	1.237	697
18-36POSKXPVC	36	.070	1.038	633	.050	1.386	931
18-50POSKXPVC	50	.070	1.193	845	.050	1.541	1180
16 AWG							
16-01POSKXPVC	1	.035	.253	43	.035	.551	133
16-02POSKXPVC	2	.040	.386	81	.040	.694	205
16-04POSKXPVC	4	.050	.464	131	.040	.772	272
16-06POSKXPVC	6	.050	.550	184	.050	.878	362
16-08POSKXPVC	8	.050	.594	228	.050	.922	416
16-12POSKXPVC	12	.060	.736	337	.050	1.064	559
16-16POSKXPVC	16	.060	.816	426	.050	1.164	671
16-24POSKXPVC	24	.070	1.058	639	.050	1.376	935
16-36POSKXPVC	36	.070	1.172	902	.050	1.520	1232
16-50POSKXPVC	50	.080	1.371	1239	.050	1.719	1617

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

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

Replace PVC 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 PVC 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 PVC. Minimum average insulation thickness for 20,18 and 16 AWG is .0015 in.
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. Color coded conductors and extruded stripes are available upon request.
Jacket:	90°C FR PVC, sunlight resistant, thickness per UL 13 and UL 2250, footage sequentially printed. 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