

INSTRUMENTATION



- ▶ Pairs
- ▶ XLP
- ▶ PVC
- ▶ OS
- ▶ Type PLTC/ITC
- ▶ 300V

PRODUCT CONSTRUCTION

Conductor: Solid thermocouple extension alloy conductors per ANSI MC96.1. Stranded thermocouple extension alloys available upon request.

Insulation: 105°C PVC. Minimum average insulation thickness for 20, 18 and 16 AWG is .0015 in. VW-1 rated conductors are available upon request.

Shield: Pairs are shielded with 100% coverage aluminum/polyester tape and include a tinned copper drain wire. Aluminum/polyester tape thickness of .00135 in. Overall shielded designs with copper tape or braided tinned copper are also available.

Jacket: 105°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 Thermoset Chlorosulfonated Polyethylene (CSPE), commonly referred to as Hypalor®, 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.

APPLICATIONS

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 industrial hazardous locations per NEC.

FEATURES

Sunlight-resistant. Overall cable rated 105°C per UL.

COMPLIANCES

Flame Test: UL 1685 Vertical Flame Test. IEEE 383. IEEE 1202.

USAWC PART #	# of Pairs	UNARMORED			INTERLOCKED ALUMINUM ARMOR		
		Jacket Thickness (Inches)	Nominal OD (Inches)	Weight (lbs./1000 ft.)	Jacket Thickness (Inches)	Nominal OD (Inches)	Weight (lbs./1000 ft.)
20 AWG							
USA20-01POS_XXCPE	1	.035	.215	26	.040	.523	113
USA20-02POS_XXCPE	2	.040	.320	52	.050	.648	170
USA20-04POS_XXCPE	4	.040	.364	70	.050	.692	203
USA20-06POS_XXCPE	6	.050	.451	105	.050	.779	258
USA20-08POS_XXCPE	8	.050	.485	126	.050	.813	288
USA20-12POS_XXCPE	12	.050	.579	174	.050	.907	358
USA20-16POS_XXCPE	16	.060	.660	227	.050	.988	431
USA20-24POS_XXCPE	24	.060	.805	322	.050	1.153	564
USA20-36POS_XXCPE	36	.070	.941	465	.050	1.289	739
USA20-50POS_XXCPE	50	.070	1.079	615	.050	1.427	923
18 AWG							
USA18-01POS_XXCPE	1	.035	.231	32	.050	.559	134
USA18-02POS_XXCPE	2	.040	.348	63	.050	.676	192
USA18-04POS_XXCPE	4	.050	.418	96	.050	.746	242
USA18-06POS_XXCPE	6	.050	.493	133	.050	.821	297
USA18-08POS_XXCPE	8	.050	.530	164	.050	.858	336
USA18-12POS_XXCPE	12	.060	.657	240	.050	.985	443
USA18-16POS_XXCPE	16	.060	.726	300	.050	1.054	520
USA18-24POS_XXCPE	24	.060	.889	429	.050	1.237	691
USA18-36POS_XXCPE	36	.070	1.038	624	.050	1.386	922
USA18-50POS_XXCPE	50	.070	1.193	832	.050	1.541	1168
16 AWG							
USA16-01POS_XXCPE	1	.035	.253	42	.050	.581	149
USA16-02POS_XXCPE	2	.040	.386	80	.050	.714	218
USA16-04POS_XXCPE	4	.050	.464	129	.050	.792	286
USA16-06POS_XXCPE	6	.050	.550	183	.050	.878	360
USA16-08POS_XXCPE	8	.050	.594	226	.050	.922	414
USA16-12POS_XXCPE	12	.060	.736	333	.050	1.064	555
USA16-16POS_XXCPE	16	.060	.816	421	.050	1.164	666
USA16-24POS_XXCPE	24	.070	1.028	632	.050	1.376	927
USA16-36POS_XXCPE	36	.070	1.172	891	.050	1.520	1221
USA16-50POS_XXCPE	50	.080	1.371	1224	.050	1.739	1635

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 is standard; 600V is available upon request