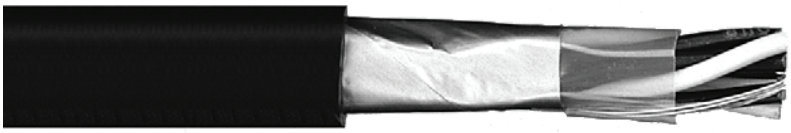
INSTRUMENTATION



- ***Pairs***
- ***PVC***
- ***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: 105ºC PVC. Minimum average insulation thickness for 20, 18 and 16 AWG is .0015 in.
Shield: *Overall shielded pairs.* Overall shield is aluminum/polymer in contact with stranded tinned copper drain wire.
Jacket: 105ºC 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.

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 105ºC per UL.

COMPLIANCES

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

		UNARMORED			INTERLOCKED ALUMINUM ARMOR		
USAWC PART #	# of Pairs	Jacket Thickness (Inches)	Nominal OD (Inches)	Weight (lbs./1000 ft.)	Jacket Thickness (Inches)	Nominal OD (Inches)	Weight (lbs./1000 ft.)
20 AWG							
USA20-01POS_XPVC	1	.035	.203	24	.035	.501	104
USA20-02POS_XPVC	2	.040	.299	47	.035	.597	145
USA20-04POS_XPVC	4	.040	.339	65	.040	.647	180
USA20-06POS_XPVC	6	.050	.420	98	.040	.728	230
USA20-08POS_XPVC	8	.050	.450	118	.040	.758	257
USA20-12POS_XPVC	12	.050	.536	160	.040	.844	318
USA20-16POS_XPVC	16	.050	.591	201	.050	.919	388
USA20-24POS_XPVC	24	.060	.742	300	.050	1.071	524
USA20-36POS_XPVC	36	.060	.843	416	.050	1.191	667
USA20-50POS_XPVC	50	.070	.993	574	.050	1.341	861
18 AWG							
USA18-01POS_XPVC	1	.035	.231	32	.035	.529	118
USA18-02POS_XPVC	2	.040	.348	64	.035	.656	180
USA18-04POS_XPVC	4	.050	.418	97	.040	.726	229
USA18-06POS_XPVC	6	.050	.493	134	.040	.801	283
USA18-08POS_XPVC	8	.050	.530	166	.040	.838	322
USA18-12POS_XPVC	12	.060	.657	243	.040	.985	446
USA18-16POS_XPVC	16	.060	.726	304	.050	1.054	524
USA18-24POS_XPVC	24	.060	.889	435	.050	1.237	697
USA18-36POS_XPVC	36	.070	1.038	633	.050	1.386	931
USA18-50POS_XPVC	50	.070	1.193	845	.050	1.541	1180
16 AWG							
USA16-01POS_XPVC	1	.035	.253	43	.035	.551	133
USA16-02POS_XPVC	2	.040	.386	81	.040	.694	205
USA16-04POS_XPVC	4	.050	.464	131	.040	.772	272
USA16-06POS_XPVC	6	.050	.550	184	.050	.878	362
USA16-08POS_XPVC	8	.050	.594	228	.050	.922	416
USA16-12POS_XPVC	12	.060	.736	337	.050	1.064	559
USA16-16POS_XPVC	16	.060	.816	426	.050	1.164	671
USA16-24POS_XPVC	24	.070	1.058	639	.050	1.376	935
USA16-36POS_XPVC	36	.070	1.172	902	.050	1.520	1232
USA16-50POS_XPVC	50	.080	1.371	1239	.050	1.719	1617

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 is standard; 600V is available upon request.