

INSTRUMENTATION



- ▶ Pairs
- ▶ PVC
- ▶ PVC
- ▶ SPOS
- ▶ Type PLTC/ITC
- ▶ 300V

PRODUCT CONSTRUCTION

Conductor: 20 AWG through 16 AWG bare, annealed copper per ASTM B3. Class B stranding per ASTM B8.

Insulation: Lead-free Polyvinyl Chloride (PVC). Color-coded per ICEA Method 1: Pairs – black and white. One conductor in each pair is printed alphanumerically for easy identification.

Shield: *Individual and overall shielded pairs.* Individual pairs are 100% shielded with aluminum/polyester in contact with stranded tinned copper drain wire. Overall shield is aluminum/polymer in contact with stranded tinned copper drain wire.

Jacket: Lead-free, sunlight-resistant Polyvinyl Chloride (PVC).

APPLICATIONS

In ducts, cable trays or conduit. In accordance with UL Subject 13 as Power-Limited Circuit Cable. In Class 3 circuits in accordance with Power-Limited Circuit Cable. In Class 3 circuits in accordance with NEC Article 725. In accordance with UL Subject 2250 as Instrumentation Tray Cable (ITC). Permitted for use in Class I, Division 2 industrial hazardous locations per NEC Article 501.10(B)(4) for UL Type PLTC/ITC cables. Per NEC Article 727 for Type PLTC/ITC.

FEATURES

Rated at 105°C. Oil- and sunlight-resistant. Flame-retardant. Meets cold bend test at -25°C.

COMPLIANCES

Industry: UL Type PLTC/ITC. RoHS compliant. Flame Test: IEEE 383 (70,000 BTU/hr). UL Subject 13 (70,000 BTU/hr)

Flame Test: IEEE 383 (70,000 BTU/hr). UL Subject 13 (70,000 BTU/hr) for PLTC. UL Subject 2250 (70,000 BTU/hr) for ITC.

Other: EPA 40 CFR, Part 261, for leachable lead content per TLCP. OSHA acceptable.

USAWC Part #	No of Pairs	Size / Strands	Insulation Thickness (Mils)	Jacket Thickness (Mils)	Nominal OD (Inches)	Copper Wt. (lbs./1000 ft.)	Weight (lbs./1000 ft.)
USA20-02SPOSPLTC	2	20 7/str	12	42	.349	21	66
USA20-04SPOSPLTC	4	20 7/str	12	52	.423	40	101
USA20-08SPOSPLTC	8	20 7/str	12	52	.543	78	170
USA20-12SPOSPLTC	12	20 7/str	12	62	.674	117	250
USA20-16SPOSPLTC	16	20 7/str	12	62	.747	155	316
USA20-24SPOSPLTC	24	20 7/str	12	72	.939	231	466
USA20-36SPOSPLTC	36	20 7/str	12	72	1.071	346	655
USA20-50SPOSPLTC	50	20 7/str	12	82	1.278	479	902
USA18-02SPOSPLTC	2	18 7/str	15	52	.382	28	84
USA18-04SPOSPLTC	4	18 7/str	15	52	.443	53	121
USA18-08SPOSPLTC	8	18 7/str	15	62	.577	104	211
USA18-12SPOSPLTC	12	18 7/str	15	62	.743	155	327
USA18-16SPOSPLTC	16	18 7/str	15	62	.824	206	415
USA18-24SPOSPLTC	24	18 7/str	15	72	1.038	308	614
USA18-36SPOSPLTC	36	18 7/str	15	72	1.187	461	870
USA18-50SPOSPLTC	50	18 7/str	15	82	1.417	640	1201
USA16-02SPOSPLTC	2	16 7/str	15	52	.446	40	120
USA16-04SPOSPLTC	4	16 7/str	15	52	.516	78	174
USA16-08SPOSPLTC	8	16 7/str	15	62	.690	153	317
USA16-12SPOSPLTC	12	16 7/str	15	62	.834	229	449
USA16-16SPOSPLTC	16	16 7/str	15	72	.948	304	592
USA16-24SPOSPLTC	24	16 7/str	15	72	1.171	455	852
USA16-36SPOSPLTC	36	16 7/str	15	82	1.362	662	1245
USA16-50SPOSPLTC	50	16 7/str	15	82	1.603	945	1684