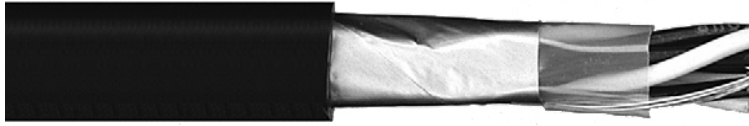


INSTRUMENTATION



- ▶ **Pairs/Triads**
- ▶ **PVC**
- ▶ **PVC**
- ▶ **OS**
- ▶ **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; Triads – black, white and red. One conductor in each pair or triad is printed alphanumerically for easy identification.

Shield: Overall shielded pairs/triads. 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 NEC Article 725. In accordance with UL Subject 2250 as Instrumentation Tray Cable (ITC). Permitted for use in Class I, Division 2 industrial 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) 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/Triads	Size / Strands	Insulation Thickness (Mils)	Jacket Thickness (Inches)	Nominal OD (Inches)	Copper Wt. (lbs./1000 ft.)	Weight (lbs./1000 ft.)
USA20-01POSPLTC	1	20 7/str	12	.035	.207	6.3	25
USA20-02POSPLTC	2	20 7/str	12	.040	.313	12.6	52
USA20-04POSPLTC	4	20 7/str	12	.040	.356	25	70
USA20-08POSPLTC	8	20 7/str	12	.050	.473	50	127
USA20-12POSPLTC	12	20 7/str	12	.050	.565	76	175
USA20-24POSPLTC	24	20 7/str	12	.060	.740	153	376
USA20-36POSPLTC	36	20 7/str	12	.060	.850	238	530
USA20-01TOSPLTC	1 Triad	20 7/str	12	.035	.216	9.5	30
USA18-01POSPLTC	1	18 7/str	15	.035	.239	10	35
USA18-02POSPLTC	2	18 7/str	15	.040	.368	20	68
USA18-04POSPLTC	4	18 7/str	15	.050	.443	40	106
USA18-08POSPLTC	8	18 7/str	15	.050	.565	80	181
USA18-12POSPLTC	12	18 7/str	15	.060	.700	120	267
USA18-16POSPLTC	16	18 7/str	15	.060	.750	171	374
USA18-24POSPLTC	24	18 7/str	15	.070	.915	253	564
USA18-36POSPLTC	36	18 7/str	15	.070	1.030	453	787
USA18-01TOSPLTC	1 Triad	18 7/str	15	.035	.251	15	42
USA16-01POSPLTC	1	16 7/str	15	.035	.263	16	46
USA16-02POSPLTC	2	16 7/str	15	.050	.430	32	96
USA16-04POSPLTC	4	16 7/str	15	.050	.493	64	141
USA16-08POSPLTC	8	16 7/str	15	.060	.654	128	260
USA16-12POSPLTC	12	16 7/str	15	.060	.787	191	367
USA16-16POSPLTC	16	16 7/str	15	.070	.845	270	526
USA16-24POSPLTC	24	16 7/str	15	.070	1.030	400	803
USA16-36POSPLTC	36	16 7/str	15	.070	1.165	599	1122
USA16-01TOSPLTC	1 Triad	16 7/str	15	.035	.277	24	56