

INSTRUMENTATION



- ▶ **Triads**
- ▶ **PVC**
- ▶ **PVC**
- ▶ **STOS**
- ▶ **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: Triads – black, white and red. One conductor in each triad is printed alphanumerically for easy identification.

Shield: *Individual and overall shielded triads.* Individual triads 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 Triads	Size / Strands	Insulation Thickness (Mils)	Jacket Thickness (Mils)	Nominal OD (Inches)	Copper Wt. (lbs./1000 ft.)	Weight (lbs./1000 ft.)
USA20-02STOSPLTC	2	20 7/str	12	42	.357	26	77
USA20-04STOSPLTC	4	20 7/str	12	52	.433	48	122
USA20-08STOSPLTC	8	20 7/str	12	52	.556	97	212
USA20-12STOSPLTC	12	20 7/str	12	62	.690	145	313
USA20-16STOSPLTC	16	20 7/str	12	62	.765	192	399
USA20-24STOSPLTC	24	20 7/str	12	72	.963	288	591
USA18-02STOSPLTC	2	18 7/str	15	52	.431	38	108
USA18-04STOSPLTC	4	18 7/str	15	52	.476	73	160
USA18-08STOSPLTC	8	18 7/str	15	62	.635	147	293
USA18-12STOSPLTC	12	18 7/str	15	62	.764	215	416
USA18-16STOSPLTC	16	18 7/str	15	62	.849	286	533
USA18-24STOSPLTC	24	18 7/str	15	72	1.070	428	793
USA16-02STOSPLTC	2	16 7/str	15	52	.460	54	146
USA16-04STOSPLTC	4	16 7/str	15	52	.533	108	221
USA16-08STOSPLTC	8	16 7/str	15	62	.713	218	410
USA16-12STOSPLTC	12	16 7/str	15	62	.863	325	587
USA16-16STOSPLTC	16	16 7/str	15	72	.981	433	777
USA16-24STOSPLTC	24	16 7/str	15	72	1.212	649	1130