



Specification Sheet

BWC Part Number #: BWC-16-12TRPLTC-STOS

16AWG PLTC SPOS Instrumentation Cables 300V 105°C

APPLICATION: Power Limited Tray Cable Instrumentation Cables are suitable for control, instrumentation, and process control circuits where protection against electrostatic interference from both outside of the cable and from pair to pair is needed. These cables are suitable for wet or dry applications, direct burial, and can be installed in cable trays, ducts, aerially, or conduits in both indoor and outdoor locations. They are rated for applications up to 300 volts and temperatures up to 105°C.

CONSTRUCTION:

- **CONDUCTORS:** 7 Strand class B annealed bare copper conductor, per ASTM B3 & B8.
- **INSULATION:** Polyvinyl Chloride (PVC) insulation.
- **SHIELD:** The shield consists of FFE Aluminum Mylar with 100% coverage on each pair, an overall aluminum mylar tape with 100% coverage, and a 7 strand tinned copper drain wire in contact with all shields. A clear mylar cable binder is used as needed.
- **JACKET:** The jacket is a black Polyvinyl Chloride (PVC) that is water, chemical, sunlight, and abrasion resistant and includes a ripcord.
- **COLOR CODE:**
 - Pairs: Black and White, Numbered.
 - Triads: Black, White, and Red, Numbered.

STANDARDS:

- UL listed as type PLTC & CL3 per UL standard 13 and as type ITC per UL standard 2250.
- Suitable for installations under NEC (NFPA 70) article 725 and article 727 guidelines.
- Suitable for use in Class I Division 2 hazardous locations.
- EPA 40 CFR, part 261.
- Cold bend rating of -40°C.
- UL approved for Sunlight Resistant Applications and meets the IEEE 1202 flame test.
- Marked as (UL) ITC Sunlight Resistant or PLTC or CL3 FT4.

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Information on this specification is subject to change without notice. REV 03062023





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- REACH compliant per Regulation (EC) No 1907/2006 (219).

Part Number	Size AWG	No. of Pairs	No. of Triads	Jacket Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/kft)
16-02PRPLTC-SPOS	16	2		0.04	0.298	71
16-03PRPLTC-SPOS	16	3		0.05	0.431	114
16-04PRPLTC-SPOS	16	4		0.05	0.478	143
16-08PRPLTC-SPOS	16	8		0.06	0.641	270
16-12PRPLTC-SPOS	16	12		0.06	0.771	385
16-16PRPLTC-SPOS	16	16		0.06	0.845	495
16-24PRPLTC-SPOS	16	24		0.07	1.043	737
16-36PRPLTC-SPOS	16	36		0.07	1.225	1064
16-50PRPLTC-SPOS	16	50		0.08	1.603	1684
16-02TRPLTC-STOS	16		2	0.05	0.46	146
16-04TRPLTC-STOS	16		4	0.05	0.533	221
16-08TRPLTC-STOS	16		8	0.06	0.713	410
16-12TRPLTC-STOS	16		12	0.06	0.863	587
16-24TRPLTC-STOS	16		24	0.07	1.212	1130
16-36TRPLTC-STOS	16		36	0.08	1.41	1660

ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.

