Specification Sheet

BWC Part Number #: BWC-20-16PRPLTC-SPOS

20AWG PLTC SPOS Instrumentation Cables 300V 105°C

APPLICATION: Power Limited Tray Cable (PLTC) 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 indoors or outdoors in cable trays, ducts, aerially, or conduits. 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:** FFE Aluminum Mylar with 100% coverage on each pair , with an overall aluminum mylar tape also providing 100% coverage. A 7-strand tinned copper drain wire is in contact with all shields. A clear mylar cable binder is included as needed.
- **JACKET:** A black Polyvinyl Chloride (PVC) jacket that is water, chemical, sunlight, and abrasion resistant, with a ripcord for easy stripping.
- **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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- 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)
20-02PRPLTC-SPOS	20	2		0.035	0.251	42
20-04PRPLTC-SPOS	20	4		0.04	0.379	78
20-08PRPLTC-SPOS	20	8		0.05	0.511	145
20-12PRPLTC-SPOS	20	12		0.06	0.638	221
20-16PRPLTC-SPOS	20	16		0.06	0.693	275
20-20PRPLTC-SPOS	20	20		0.06	0.762	335
20-24PRPLTC-SPOS	20	24		0.06	0.838	394
20-36PRPLTC-SPOS	20	36		0.07	0.999	583
20-50PRPLTC-SPOS	20	50		0.07	1.153	790
20-04TRPLTC-STOS	20		4	0.055	0.433	122
20-08TRPLTC-STOS	20		8	0.055	0.556	212
20-12TRPLTC-STOS	20		12	0.066	0.69	373
20-16TRPLTC-STOS	20		16	0.066	0.765	399
20-24TRPLTC-STOS	20		24	0.078	0.963	591
20-36TRPLTC-STOS	20		36	0.078	1.097	841

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.

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