

20AWG 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. PLTC SPOS Instrumentation Cables are suitable for wet or dry applications, indoor or outdoor locations, installed in cable trays, ducts, aerially or conduits, direct burial and for applications up to 300 volt and temperatures up to 105°C.

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 with 100% coverage with a 7 strand tinned copper drain wire in contact with all shields. Clear mylar cable binder as needed

JACKET:

- Black Polyvinyl Chloride (PVC) jacket, which is water, chemical, sunlight and abrasion resistant with 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 meets IEEE 1202 flame test
- (UL) ITC Sunlight Resistant or PLTC or CL3 FT4
- REACH compliant per Regulation (EC) No 1907/2006 (219)

Part Number	Size	No. of Pairs	No. of Triads	Jacket Thickness		Overall Diameter		Net Weight
	AWG			inches	mm	inches	mm	lbs/kft
20-02PRPLTC-SPOS	20	2		0.035	0.89	0.251	6.38	42
20-04PRPLTC-SPOS	20	4		0.040	1.02	0.379	9.63	78
20-08PRPLTC-SPOS	20	8		0.050	1.27	0.511	12.98	145
20-12PRPLTC-SPOS	20	12		0.060	1.52	0.638	16.21	221
20-16PRPLTC-SPOS	20	16		0.060	1.52	0.693	17.60	275
20-20PRPLTC-SPOS	20	20		0.060	1.52	0.762	19.35	335
20-24PRPLTC-SPOS	20	24		0.060	1.52	0.838	21.29	394
20-36PRPLTC-SPOS	20	36		0.070	1.78	0.999	25.37	583
20-50PRPLTC-SPOS	20	50		0.070	1.78	1.153	29.29	790
20-04TRPLTC-STOS	20		4	0.055	1.40	0.433	11.00	122
20-08TRPLTC-STOS	20		8	0.055	1.40	0.556	14.12	212
20-12TRPLTC-STOS	20		12	0.066	1.68	0.690	17.53	373
20-16TRPLTC-STOS	20		16	0.066	1.68	0.765	19.43	399
20-24TRPLTC-STOS	20		24	0.078	1.98	0.963	24.46	591
20-36TRPLTC-STOS	20		36	0.078	1.98	1.097	27.86	841

All values are nominal and subject to correction



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