

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. 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
16-02PRPLTC-SPOS	16	2		0.040	1.02	0.298	7.57	71
16-03PRPLTC-SPOS	16	3		0.050	1.27	0.431	10.95	114
16-04PRPLTC-SPOS	16	4		0.050	1.27	0.478	12.14	143
16-08PRPLTC-SPOS	16	8		0.060	1.52	0.641	16.28	270
16-12PRPLTC-SPOS	16	12		0.060	1.52	0.771	19.58	385
16-16PRPLTC-SPOS	16	16		0.060	1.52	0.845	21.46	495
16-18PRPLTC-SPOS	16	18		0.070	1.78	0.915	23.24	582
16-24PRPLTC-SPOS	16	24		0.070	1.78	1.043	26.49	737
16-36PRPLTC-SPOS	16	36		0.070	1.78	1.225	31.12	1064
16-50PRPLTC-SPOS	16	50		0.080	2.03	1.603	40.72	1684
16-02TRPLTC-STOS	16		2	0.050	1.27	0.498	12.65	121
16-04TRPLTC-STOS	16		4	0.050	1.27	0.578	14.68	201
16-08TRPLTC-STOS	16		8	0.060	1.52	0.775	19.69	379
16-12TRPLTC-STOS	16		12	0.070	1.78	0.964	24.49	569
16-16TRPLTC-STOS	16		16	0.070	1.78	1.053	26.75	726
16-24TRPLTC-STOS	16		24	0.080	2.03	1.298	32.97	1077
16-36TRPLTC-STOS	16		36	0.080	2.03	1.523	38.68	1551

All values are nominal and subject to correction



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