

# 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
16-24PRPLTC-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	0.460	11.68	146
16-04TRPLTC-STOS	16		4	0.050	1.27	0.533	13.54	221
16-08TRPLTC-STOS	16		8	0.060	1.52	0.713	18.11	410
16-12TRPLTC-STOS	16		12	0.060	1.52	0.863	21.92	587
16-24TRPLTC-STOS	16		24	0.070	1.78	1.212	30.78	1130
16-36TRPLTC-STOS	16		36	0.080	2.03	1.410	35.81	1660

All values are nominal and subject to correction



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05-2022