

18AWG 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
18-02PRPLTC-SPOS	18	2		0.040	1.02	0.280	7.11	55
18-03PRPLTC-SPOS	18	3		0.040	1.02	0.363	9.22	81
18-04PRPLTC-SPOS	18	4		0.050	1.27	0.432	10.97	109
18-06PRPLTC-SPOS	18	6		0.045	1.14	0.510	12.95	166
18-08PRPLTC-SPOS	18	8		0.050	1.27	0.559	14.20	193
18-12PRPLTC-SPOS	18	12		0.060	1.52	0.694	17.63	289
18-16PRPLTC-SPOS	18	16		0.060	1.52	0.756	19.20	366
18-20PRPLTC-SPOS	18	20		0.070	1.78	1.038	26.37	614
18-24PRPLTC-SPOS	18	24		0.070	1.78	0.936	23.77	547
18-36PRPLTC-SPOS	18	36		0.070	1.78	1.093	27.76	778
18-50PRPLTC-SPOS	18	50		0.050	1.27	0.431	10.95	108
18-04TRPLTC-STOS	18		4	0.050	1.27	0.476	12.09	160
18-08TRPLTC-STOS	18		8	0.060	1.52	0.635	16.13	293
18-12TRPLTC-STOS	18		12	0.060	1.52	0.764	19.41	416
18-16TRPLTC-STOS	18		16	0.060	1.52	0.849	21.56	533
18-24TRPLTC-STOS	18		24	0.070	1.78	1.070	27.18	793
18-36TRPLTC-STOS	18		36	0.070	1.78	1.224	31.09	1137

All values are nominal and subject to correction



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