

18AWG PLTC OS 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 OS 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:

- Stranded soft drawn bare copper conductor, per ASTM B3 & B-8

INSULATION:

- Polyvinyl Chloride (PVC) insulation

SHIELD:

- FFE Aluminum polyester foil with 100% coverage and in contact with a 7 strand tinned copper drain wire. Clear mylar cable binder as needed

JACKET:

- Polyvinyl Chloride (PVC) jacket, which is water, chemical, sunlight and abrasion resistant

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/mft
18-01PRPLTC-OS	18	1		0.035	0.89	0.230	5.84	34
18-02PRPLTC-OS	18	2		0.045	1.14	0.302	7.67	67
18-04PRPLTC-OS	18	4		0.050	1.27	0.413	10.49	105
18-08PRPLTC-OS	18	8		0.050	1.27	0.541	13.74	176
18-12PRPLTC-OS	18	12		0.060	1.52	0.659	16.74	257
18-16PRPLTC-OS	18	16		0.060	1.52	0.742	18.85	326
18-24PRPLTC-OS	18	24		0.072	1.83	0.901	22.89	476
18-36PRPLTC-OS	18	36		0.072	1.83	1.071	27.20	675
18-50PRPLTC-OS	18	50		0.072	1.83	1.236	31.39	901
18-01TRPLTC-OS	18		1	0.035	0.89	0.240	6.10	42
18-02TRPLTC-OS	18		2	0.050	1.27	0.413	10.49	96
18-04TRPLTC-OS	18		4	0.050	1.27	0.476	12.09	141
18-08TRPLTC-OS	18		8	0.060	1.52	0.635	16.13	254
18-12TRPLTC-OS	18		12	0.060	1.52	0.704	17.88	358
18-16TRPLTC-OS	18		16	0.060	1.52	0.849	21.56	454
18-24TRPLTC-OS	18		24	0.072	1.83	1.070	27.18	674
18-36TRPLTC-OS	18		36	0.072	1.83	1.224	31.09	959
18-50TRPLTC-OS	18		50	0.080	2.03	1.462	37.13	1321

All values are nominal and subject to correction



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