

16AWG 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 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:

- Aluminum polyester foil with 100% coverage and in contact with a tinned copper drain wire

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 13
- UL 2250
- NEC Article 727 for ITC
- EPA 40 CFR, part 261

Part Number	Size	No. of Pairs	No. of Triads	Jacket Thickness		Overall Diameter		Net Weight
	AWG			inches	mm	inches	mm	lbs/mft
16-01PRPLTC-OS	16	1		0.035	0.89	0.254	6.45	47
16-02PRPLTC-OS	16	2		0.450	11.43	0.339	8.61	91
16-04PRPLTC-OS	16	4		0.052	1.32	0.464	11.79	142
16-08PRPLTC-OS	16	8		0.060	1.52	0.633	16.08	256
16-12PRPLTC-OS	16	12		0.060	1.52	0.748	19.00	357
16-16PRPLTC-OS	16	16		0.060	1.52	0.844	21.44	454
16-24PRPLTC-OS	16	24		0.072	1.83	1.026	26.06	667
16-36PRPLTC-OS	16	36		0.072	1.83	1.224	31.09	956
16-50PRPLTC-OS	16	50		0.080	2.03	1.437	36.50	1314
16-01TRPLTC-OS	16		1	0.035	0.89	0.267	6.78	58
16-02TRPLTC-OS	16		2	0.052	1.32	0.460	11.68	126
16-04TRPLTC-OS	16		4	0.052	1.32	0.533	13.54	192
16-08TRPLTC-OS	16		8	0.060	1.52	0.713	18.11	352
16-12TRPLTC-OS	16		12	0.060	1.52	0.863	21.92	500
16-16TRPLTC-OS	16		16	0.072	1.83	0.981	24.92	661
16-24TRPLTC-OS	16		24	0.072	1.83	1.212	30.78	954
16-36TRPLTC-OS	16		36	0.080	2.03	1.410	35.81	1349
16-50TRPLTC-OS	16		50	0.090	2.29	1.681	42.70	1923

All values are nominal and subject to correction



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