

20AWG 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
20-01PRPLTC-OS	20	1		0.035	0.89	0.212	5.38	27
20-02PRPLTC-OS	20	2		0.035	0.89	0.264	6.71	49
20-04PRPLTC-OS	20	4		0.040	1.02	0.353	8.97	87
20-08PRPLTC-OS	20	8		0.050	1.27	0.485	12.32	138
20-12PRPLTC-OS	20	12		0.050	1.27	0.570	14.48	187
20-16PRPLTC-OS	20	16		0.050	1.27	0.662	16.81	248
20-24PRPLTC-OS	20	24		0.060	1.52	0.726	18.44	297
20-36PRPLTC-OS	20	36		0.060	1.52	0.783	19.89	351
20-50PRPLTC-OS	20	50		0.060	1.52	0.951	24.16	590
20-01TRPLTC-OS	20		1	0.035	0.89	0.221	5.61	33
20-02TRPLTC-OS	20		2	0.035	0.89	0.360	9.14	61
20-04TRPLTC-OS	20		4	0.050	1.27	0.445	11.30	105
20-08TRPLTC-OS	20		8	0.050	1.27	0.560	14.22	176
20-12TRPLTC-OS	20		12	0.060	1.52	0.685	17.40	260
20-16TRPLTC-OS	20		16	0.060	1.52	0.765	19.43	359
20-24TRPLTC-OS	20		24	0.070	1.78	0.963	24.46	529
20-36TRPLTC-OS	20		36	0.070	1.78	1.099	27.91	735
20-50TRPLTC-OS	20		50	0.080	2.03	1.312	33.32	961

All values are nominal and subject to correction



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