



Specification Sheet

BWC Part Number #: BWC-20-12PRPLTC-OS

20AWG PLTC OS Instrumentation Cables 300V 105°C

APPLICATION: Power Limited Tray Cable (PLTC) Instrumentation Cables are suitable for control, instrumentation, and process control circuits where protection against electrostatic interference is needed. These 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 volts and temperatures up to 105°C.

CONSTRUCTION:

- **CONDUCTORS:** Stranded soft drawn bare copper conductor, per ASTM B3 & B-8.
- **INSULATION:** Polyvinyl Chloride (PVC) insulation.
- **SHIELD:** An aluminum polyester foil with 100% coverage that is in contact with a tinned copper drain wire.
- **JACKET:** A 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 AWG	No. of Pairs	No. of Triads	Jacket Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/kft)
20-01PRPLTC-OS	20	1		0.035	0.212	27
20-02PRPLTC-OS	20	2		0.035	0.264	49

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Part Number	Size AWG	No. of Pairs	No. of Triads	Jacket Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/kft)
20-04PRPLTC-OS	20	4		0.04	0.353	87
20-08PRPLTC-OS	20	8		0.05	0.485	138
20-12PRPLTC-OS	20	12		0.05	0.57	187
20-16PRPLTC-OS	20	16		0.05	0.662	248
20-24PRPLTC-OS	20	24		0.06	0.726	297
20-36PRPLTC-OS	20	36		0.06	0.783	351
20-50PRPLTC-OS	20	50		0.06	0.951	590
20-01TRPLTC-OS	20		1	0.035	0.221	33
20-02TRPLTC-OS	20		2	0.035	0.36	61
20-04TRPLTC-OS	20		4	0.05	0.445	105
20-08TRPLTC-OS	20		8	0.05	0.56	176
20-12TRPLTC-OS	20		12	0.06	0.685	260
20-16TRPLTC-OS	20		16	0.06	0.765	359
20-24TRPLTC-OS	20		24	0.07	0.963	529
20-36TRPLTC-OS	20		36	0.07	1.099	735
20-50TRPLTC-OS	20		50	0.08	1.312	961

ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. BEST WIRE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO BEST WIRE AT THE TIME OF DESIGN.

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