



Specification Sheet

BWC Part Number #: BWC-16-12PRPLTC-OS

16AWG 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 approved for direct burial and can be installed in cable trays, ducts, aerially, or conduits in both wet or dry, indoor or outdoor locations. They are rated 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)
16-01PRPLTC-OS	16	1		0.035	0.254	47

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Part Number	Size AWG	No. of Pairs	No. of Triads	Jacket Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/kft)
16-02PRPLTC-OS	16	2		0.45	0.339	91
16-04PRPLTC-OS	16	4		0.052	0.464	142
16-08PRPLTC-OS	16	8		0.06	0.633	256
16-12PRPLTC-OS	16	12		0.06	0.748	357
16-16PRPLTC-OS	16	16		0.06	0.844	454
16-24PRPLTC-OS	16	24		0.072	1.026	667
16-36PRPLTC-OS	16	36		0.072	1.224	956
16-50PRPLTC-OS	16	50		0.08	1.437	1314
16-01TRPLTC-OS	16		1	0.035	0.267	58
16-02TRPLTC-OS	16		2	0.052	0.46	126
16-04TRPLTC-OS	16		4	0.052	0.533	192
16-08TRPLTC-OS	16		8	0.06	0.713	352
16-12TRPLTC-OS	16		12	0.06	0.863	500
16-16TRPLTC-OS	16		16	0.072	0.981	661
16-24TRPLTC-OS	16		24	0.072	1.212	954
16-36TRPLTC-OS	16		36	0.08	1.41	1349
16-50TRPLTC-OS	16		50	0.09	1.681	1923

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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