Specification Sheet

BWC Part Number #: BWC- 16-04PRTC-OS

16AWG TC-ER OS Instrumentation Cables 600V 90°C

APPLICATION: TC-ER OS 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, direct burial, indoor or outdoor locations, installed in cable trays, ducts, aerially, or conduits. They are rated for applications up to 600 volts and temperatures up to 90°C. The cables are also suitable for use in Class 1 Division 2 Hazardous locations per NEC.

CONSTRUCTION:

- **CONDUCTORS:** Stranded soft drawn bare copper conductor, per ASTM B3 & B-8.

- **INSULATION:** Polyvinyl Chloride (PVC) insulation with a nylon overcoat.

- **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:** Black and White Numbered.

STANDARDS:

- UL type TC-ER

- UL 62, 83, 1277, 1581

- IEEE 383 70,000 BTU flame test

- NEC Article 336, 392, 501, 725

Part Number	Size AWG	No. of Pairs	Drain Wire Size AWG	Jacket Thickness (inches)	Overall Diameter (inches)	Net Weight (lbs/mft)
16-01PRTC-OS	16	1	22	0.45	0.294	55
16-02PRTC-OS	16	2	22	0.05	0.377	103
16-04PRTC-OS	16	4	22	0.06	0.494	152

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16-08PRTC-OS	16	8	22	0.06	0.69	279
16-12PRTC-OS	16	12	22	0.06	0.817	388
16-16PRTC-OS	16	16	22	0.08	0.964	528
16-20PRTC-OS	16	20	22	0.08	1.058	636
16-24PRTC-OS	16	24	22	0.08	1.144	745
16-36PRTC-OS	16	36	22	0.08	1.354	1057
16-50PRTC-OS	16	50	22	0.08	1.578	1417

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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