

# 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. The cables are suitable for wet or dry applications, direct burial, indoor or outdoor locations, installed in cable trays, ducts, aerially or conduits and for applications up to 600 volt and temperatures up to 90°C. TC-ER OS Instrumentation Cables are suitable for use in Class 1 Division 2 Hazardous locations per NEC.

### 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	No. of Pairs	Drain Wire Size	Jacket Thickness		Overall Diameter		Net Weight
	AWG		AWG	inches	mm	inches	mm	lbs/mft
16-01PRTC-OS	16	1	22	0.450	11.43	0.294	7.47	55
16-02PRTC-OS	16	2	22	0.050	1.27	0.377	9.58	103
16-04PRTC-OS	16	4	22	0.060	1.52	0.494	12.55	152
16-08PRTC-OS	16	8	22	0.060	1.52	0.690	17.53	279
16-12PRTC-OS	16	12	22	0.060	1.52	0.817	20.75	388
16-16PRTC-OS	16	16	22	0.080	2.03	0.964	24.49	528
16-20PRTC-OS	16	20	22	0.080	2.03	1.058	26.87	636
16-24PRTC-OS	16	24	22	0.080	2.03	1.144	29.06	745
16-36PRTC-OS	16	36	22	0.080	2.03	1.354	34.39	1057
16-50PRTC-OS	16	50	22	0.080	2.03	1.578	40.08	1417

All values are nominal and subject to correction



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