

14AWG TC-ER SPOS Instrumentation Cables

600V 90°C



APPLICATION:

TC-ER SPOS Instrumentation Cables are suitable for control, instrumentation and process control circuits, where protection against electrostatic interference from both outside of the cable and from pair to pair 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 SPOS 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 on each pair, with an overall aluminum polyester foil with 100% coverage with a tinned copper drain wire in contact with all shields

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	Jacket Thickness		Overall Diameter		Net Weight
	AWG		inches	mm	inches	mm	lbs/mft
14-02PRTC-SPOS	14	2	0.045	1.14	0.570	14.48	156
14-04PRTC-SPOS	14	4	0.060	1.52	0.730	18.54	285
14-08PRTC-SPOS	14	8	0.060	1.52	0.930	23.62	520
14-12PRTC-SPOS	14	12	0.080	2.03	1.160	29.46	788
14-24PRTC-SPOS	14	24	0.080	2.03	1.580	40.13	1445

All values are nominal and subject to correction

