

16AWG 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:

- Pairs: Black and White Numbered
- Triads: Black, White and Red 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	No. of Triads	Jacket Thickness		Overall Diameter		Net Weight
	AWG			inches	mm	inches	mm	lbs/mft
16-02PRTC-SPOS	16	2		0.045	1.14	0.510	12.95	127
16-03PRTC-SPOS	16	3		0.045	1.14	0.598	15.19	145
16-04PRTC-SPOS	16	4		0.060	1.52	0.630	16.00	201
16-06PRTC-SPOS	16	6		0.060	1.52	0.740	18.80	270
16-08PRTC-SPOS	16	8		0.060	1.52	0.830	21.08	344
16-12PRTC-SPOS	16	12		0.080	2.03	1.030	26.16	521
16-16PRTC-SPOS	16	16		0.080	2.03	1.120	28.45	660
16-20PRTC-SPOS	16	20		0.080	2.03	1.245	31.62	801
16-24PRTC-SPOS	16	24		0.080	2.03	1.370	34.80	944
16-36PRTC-SPOS	16	36		0.080	2.03	1.560	39.62	1370
16-50PRTC-SPOS	16	50		0.080	2.03	1.790	45.47	1914
16-02TRTC-STOS	16		2	0.060	1.52	0.552	14.02	140
16-04TRTC-STOS	16		4	0.060	1.52	0.639	16.23	226
16-08TRTC-STOS	16		8	0.080	2.03	0.876	22.25	440
16-12TRTC-STOS	16		12	0.080	2.03	1.001	25.43	615
16-16TRTC-STOS	16		16	0.080	2.03	1.151	29.24	801
16-24TRTC-STOS	16		24	0.080	2.03	1.396	35.46	1140

All values are nominal and subject to correction



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