

XLPE/AIA/PVC, 600V Teck Type Instrumentation Cables



APPLICATION:

XLPE/AIA/PVC Teck Type 600V Instrumentation Cables provide an excellent crush resistance and a cost effective alternative to installations in conduit as well as being Sunlight, Oil and Chemical resistant. They 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. The cables are suitable for use in Class 1 Division 2 Hazardous locations per NEC.

CONDUCTORS:

- Fully annealed bare copper Class B compressed strand per ASTM Standards

INSULATION:

- Cross-linked Polyethylene (XLPE)

SHIELD:

- FFE Aluminum/Mylar Tape with 100% coverage on each pair or triad, with an overall Aluminum/Mylar Tape with 100% coverage with a stranded tinned copper drain wire in contact with all shields

INNER JACKET:

- Polyvinyl Chloride (PVC), black

OUTER JACKET:

- Flame and sunlight resistant Polyvinyl Chloride (PVC), black, with ripcord

ARMOR:

- Aluminum Interlocked Armor (AIA)

COLOR CODE:

- Pairs: Black and White Numbered
- Triads: Black, White and Red Numbered

STANDARDS:

- UL Type MC
- IEEE 1202/UL 1581 (FT-4) 70,000 BTU/hr Flame Test
- ICEA T-29-520 210,000 BTU/hr Flame Test
- ICEA S-73-532, where applicable
- Meets cold bend test at -40°C

Part Number	Outer Drain Wire		No. of Pairs	No. of Triads	Insulation Thickness	Inner Jacket Thickness		Outer Jacket Thickness		Overall Diameter		Net Weight
	AWG	Strand				inches	mm	inches	mm	inches	mm	
18-01PRAIA-OS	18	7	1		0.030	0.040	1.02	0.050	1.27	0.622	15.80	167
18-02PRAIA-SPOS	18	7	2		0.030	0.040	1.02	0.050	1.27	0.670	17.02	209
18-04PRAIA-SPOS	18	7	4		0.030	0.050	1.27	0.050	1.27	0.896	22.76	362
16-01PRAIA-OS	16	7	1		0.030	0.040	1.02	0.050	1.27	0.644	16.36	185
16-02PRAIA-SPOS	16	7	2		0.030	0.040	1.02	0.050	1.27	0.814	20.68	275
16-04PRAIA-SPOS	16	7	4		0.030	0.050	1.27	0.050	1.27	0.958	24.33	421
16-08PRAIA-SPOS	16	7	8		0.030	0.050	1.27	0.050	1.27	1.120	28.45	615
16-12PRAIA-SPOS	16	7	12		0.030	0.050	1.27	0.050	1.27	1.324	33.63	815
16-24PRAIA-SPOS	16	7	24		0.030	0.050	1.27	0.060	1.52	1.691	42.95	1359
16-01TRAIA-OS	16	7		1	0.030	0.040	1.02	0.050	1.27	0.661	16.79	205

All values are nominal and subject to correction



1-800-945-5542
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01-2025