

UL 1277 CAM TC-ER Rated 600V Cable



Eland Product Group: B4V

APPLICATION

The 600V Instrumentation Cables are listed as Type TC per UL 1277. Suitable for installations as described in NEC ART 336.

CHARACTERISTICS

Voltage Rating
600V

Temperature Rating
Dry: 90°C

Minimum Bending Radius
7.5 x overall diameter

CONSTRUCTION

Conductor
Plain annealed copper wires

Insulation
PVC/Nylon (Polyvinyl Chloride / Nylon)

Tape
Polyester tape

Drain Wire
Solid tinned copper wire

Shield
AL-PES foil, Aluminum contact with stranded tinned copper drain wire

Sheath
PVC (Polyvinyl Chloride)

Core Identification
● Black ○ White

Sheath Colour
● Black

STANDARDS

UL 1685 (vertical tray), UL 13 (VW-1), IEC/EN 60332-1, IEC 60332-3-22 (CAT-A), (BS 4066 part 1&3), EN 50266-2-2 ASTM No 2 oil 70°C 4 (ICEA S-73-532), ASTM B-3, UL 1685 (vertical tray), UL 13 (VW-1), IEC/EN 60332-1, ASTM B3, IEC 60332-3-22 (CAT-A), (BS 4066 part 1&3), EN 50266-2-2, ASTM No 2 oil 70°C 4 (ICEA S-73-532), ASTM B-8 IEC/EN 228, HD 383, BS 6360, VDE 0295

ISO/IEC 17025 LABORATORY TESTED

This product is subject to the Quality Assurance protocols of The Cable Lab®, an ISO/IEC 17025 accredited cable testing laboratory. Testing includes vertical flame, conductor resistance, tensile & elongation, and dimensional consistency, verified to published standards and approved product drawings.



REGULATORY COMPLIANCE

This cable meets the requirements of the RoHS Directive 2011/65/EU. RoHS compliance has been tested and confirmed by The Cable Lab® as meeting the requirements of the BSI RoHS Trusted Kitemark™.





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS/TRIADS	CONDUCTOR AWG	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B4VC01P16AWGBK	1P	16	0.51	1.14	6.8	83
B4VC01P18AWGBK	1P	18	0.51	1.14	7.1	69
B4VC02P16AWGBK	2P	16	0.51	1.14	11	145
B4VC02P18AWGBK	2P	18	0.51	1.14	10	111
B4VC03P16AWGBK	3P	16	0.51	1.14	11.7	184
B4VC03P18AWGBK	3P	18	0.51	1.14	10.6	139
B4VC04P16AWGBK	4P	16	0.51	1.52	13.6	252
B4VC04P18AWGBK	4P	18	0.51	1.14	11.5	168
B4VC05P16AWGBK	5P	16	0.51	1.52	14.8	297
B4VC05P18AWGBK	5P	18	0.51	1.52	13.4	225
B4VC06P16AWGBK	7P	16	0.51	1.52	16	378
B4VC07P18AWGBK	7P	18	0.51	1.52	14.5	282
B4VC12P16AWGBK	12P	16	0.51	1.52	20.9	596
B4VC12P18AWGBK	12P	18	0.51	1.52	18.7	438
B4VC16P16AWGBK	16P	16	0.51	2.03	24.2	816
B4VC016P18AWGBK	16P	18	0.51	2.03	21.7	606
B4VC20P16AWGBK	20P	16	0.51	2.03	26.8	986
B4VC20P18AWGBK	20P	18	0.51	2.03	24	727
B4VC24P16AWGBK	24P	16	0.51	2.03	29.6	1156
B4VC24P18AWGBK	24P	18	0.51	2.03	26.5	849
B4VC36P16AWGBK	36P	16	0.51	2.03	33.8	1625
B4VC36P18AWGBK	36P	18	0.51	2.03	30.2	1176
B4VC50P16AWGBK	50P	16	0.51	2.03	39.5	2180
B4VC50P18AWGBK	50P	18	0.51	2.03	35.1	1567
B4VC01T16AWGBK	1T	16	0.51	1.14	11.7	131
B4VC01T18AWGBK	1T	18	0.51	1.14	7.5	83

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA AWG	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C Ω/kft
16	4.36
18	6.95