



UL1277 IAM/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)

Individual Separator Polyester tape

Individual Drain Wire Solid tinned copper wire

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

General Separator
Polyester tape

General Drain Wire
Solid tinned copper 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

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECEE CBTL ACCREDITED FACILITY

Our world-class testing facility assures the quality and compliance of this cable through a continuous and rigorous testing regime.



SUSTAINABILITY COMMITMENT

We are on a journey to Net Zero.

We've committed to near-term emissions reductions and a net-zero target with the Science Based Targets initiative and we're a signatory to the United Nations Global Compact Sustainable Development Goals.

Learn more about embodied carbon and our carbon emissions reduction actions, our comprehensive recycling services, and wider ESG activities for sustainable operations at: www.elandcables.com/company/about-us/esg-sustainability



REGULATORY COMPLIANCE

This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF PAIRS	CONDUCTOR AWG	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B4VI02P16AWGBK	2	16	0.51	1.14	12.38	230
B4VI02P18AWGBK	2	18	0.51	1.14	11.18	171
B4VI03P16AWGBK	3	16	0.51	1.14	13.18	296
B4VI03P18AWGBK	3	18	0.51	1.14	11.88	219
B4VI04P16AWGBK	4	16	0.51	1.14	14.48	374
B4VI04P18AWGBK	4	18	0.51	1.14	12.98	274
B4VI05P16AWGBK	5	16	0.51	1.52	16.64	481
B4VI05P18AWGBK	5	18	0.51	1.52	14.94	355
B4VI07P16AWGBK	7	16	0.51	1.52	18.04	622
B4VI07P18AWGBK	7	18	0.51	1.52	16.24	455
B4VI08P16AWGBK	8	16	0.51	1.52	20.24	737
B4VI12P16AWGBK	12	16	0.51	1.52	23.74	1063
B4VI12P18AWGBK	12	18	0.51	1.52	21.14	774
B4VI16P16AWGBK	16	16	0.51	2.03	27.46	1423
B4VI16P18AWGBK	16	18	0.51	2.03	24.46	1039
B4VI20P16AWGBK	20	16	0.51	2.03	30.46	1766
B4VI20P18AWGBK	20	18	0.51	2.03	27.16	1290
B4VI24P16AWGBK	24	16	0.51	2.03	33.76	2140
B4VI24P18AWGBK	24	18	0.51	2.03	30.46	1558
B4VI36P16AWGBK	36	16	0.51	2.03	38.66	3030
B4VI36P18AWGBK	36	18	0.51	2.03	34.36	2198
B4VI50P16AWGBK	50	16	0.51	2.03	45.26	4191
B4VI50P18AWGBK	50	18	0.51	2.03	40.06	3029

ELECTRICAL CHARACTERISTICS

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