

H05VVC4V5-K Cable



Eland Product Group: V45

APPLICATION

Flexible power, process control and instrumentation cable for industry and machinery environment with increased requirements to electromagnetic compatibility. This cable is resistant against most usual chemicals, oils and greases.

CHARACTERISTICS

Voltage Rating (Uo/U)
300/500V

Voltage Test
2kV

Temperature Rating
Fixed: -40°C to +70°C
Installation: -5°C to +70°C

Conductor Maximum Temperature
+70°C

Transfer Impedance
250 Ohm/km

Minimum Bending Radius
Fixed Installation: 6 x overall diameter
Moved Application: 20 x overall diameter

CONSTRUCTION

Conductor
Class 5 Fine Stranded Bare Copper

Insulation
PVC TI 2 (Polyvinyl Chloride)

Screen
TCWB (Tinned Copper Wire Braid)

Outer Sheath
PVC TM2 (Polyvinyl Chloride)

Core Identification
● Black numbered + ● Green/Yellow

Sheath Colour
● Grey

STANDARDS

VDE 0281-13, VDE 0482-332-1-2, EN 60811-2-1

Fire Retardant according to: IEC 60332-1

THE CABLE LAB®

AN ISO/IEC 17025 AND IECCE 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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/863/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab®.





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4503011GR000	3	0.75	9.1	125
V4503021GR000	3	1	9.6	140
V4503031GR000	3	1.5	10.7	180
V4503041GR000	3	2.5	12	240
V4504011GR000	4	0.75	10.3	150
V4504021GR000	4	1	10.7	1
V4504031GR000	4	1.5	11.5	200
V4504041GR000	4	2.5	13.1	290
V4505011GR000	5	0.75	11	180
V4505021GR000	5	1	11.4	200
V4505031GR000	5	1.5	12.1	235
V4505041GR000	5	2.5	14.2	340
V4507011GR000	7	0.75	12.4	230
V4507021GR000	7	1	12.9	230
V4507031GR000	7	1.5	14.1	330
V4507041GR000	7	2.5	16.3	465
V4512011GR000	12	0.75	15.2	310
V4512021GR000	12	1	16.9	410
V4512031GR000	12	1.5	18	470
V4512041GR000	12	2.5	24.3	748
V4518011GR000	18	0.75	18.2	470
V4518021GR000	18	1	19.4	550
V4518031GR000	18	1.5	20.8	680
V4518041GR000	18	2.5	25.6	1051
V4525011GR000	25	0.75	21.5	640
V4525021GR000	25	1	22.8	735
V4525031GR000	25	1.5	25	930
V4525041GR000	25	2.5	29.3	1380
V4534031GR000	34	1.5	26.3	1353

CONDUCTORS

NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR DC RESISTANCE AT 20°C ohms/km
0.75	26
1	19.5
1.5	13.3
2.5	7.98

The information contained within this datasheet is for guidance only and is subject to change without notice or liability. All the information is provided in good faith and is believed to be correct at the time of publication. When selecting cable accessories, please note that actual cable dimensions may vary due to manufacturing tolerances.