

# 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 (U<sub>0</sub>/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

## 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.



8578



FS 672069



EMS 672067

OHS 672066

## 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 and 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™.



KM 63427





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	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 <sup>2</sup>	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.