

## H05VV5-F Cable



Eland Product Group: V44

### APPLICATION

Flexible power, process control and instrumentation cable for industry and machinery environment. This cable is resistant against most usual chemicals, oil and grease.

### CHARACTERISTICS

**Voltage Rating** (U<sub>o</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

**Minimum Bending Radius**  
Fixed Installation: 4 x overall diameter  
Moved Application: 12.5 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 5 Fine Stranded Bare Copper

**Insulation**  
PVC TI 2 (Polyvinyl Chloride)

**Outer Sheath**  
PVC TM2 (Polyvinyl Chloride)

**Core Identification**  
● Black numbered + ● Green/Yellow

**Sheath Colour**  
● Grey

### STANDARDS

VDE 0281-12, VDE 0482-332-1-2, EN 60811-2-1

Fire Retardant according to: IEC 60332-1

### THE CABLE LAB<sup>®</sup>

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](http://www.elandcables.com/company/about-us/esg-sustainability)



SCIENCE  
BASED  
TARGETS

**BUSINESS  
AMBITION FOR 1.5°C**



### 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 2015/853/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
V4403011GR000	3	0.75	7.2	61
V4403021GR000	3	1	7.4	71
V4403031GR000	3	1.5	8	92
V4403041GR000	3	2.5	9.7	146
V4404011GR000	4	0.75	7.8	75
V4404021GR000	4	1	8	89
V4404031GR000	4	1.5	9.2	125
V4404041GR000	4	2.5	11	196
V4405011GR000	5	0.75	9	100
V4405021GR000	5	1	9.2	116
V4405031GR000	5	1.5	10	155
V4405041GR000	5	2.5	12.1	235
V4407011GR000	7	0.75	10.5	141
V4407021GR000	7	1	10.8	166
V4407031GR000	7	1.5	12.2	227
V4407041GR000	7	2.5	14.2	343
V4410011GR000	12	0.75	13	214
V4410021GR000	12	1	13.4	251
V4410031GR000	12	1.5	14.6	330
V4410041GR000	12	2.5	17.7	535
V4414011GR000	18	0.75	15.1	306
V4414021GR000	18	1	16.2	385
V4414031GR000	18	1.5	17.7	506
V4414041GR000	18	2.5	21.3	800
V4418011GR000	25	0.75	18.6	427
V4418021GR000	25	1	19.8	534
V4418031GR000	25	1.5	21.6	700
V4418041GR000	25	2.5	25.9	1100
V4422011GR000	34	0.75	21.3	590
V4422021GR000	34	1	22	700
V4422031GR000	34	1.5	24.1	920

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.