

## H07G-R Cable



Eland Product Group: B5V

### APPLICATION

Single core H07G cable with solid, stranded or flexible stranded copper conductor for internal installations in dry, clean environments requiring a rated voltage of 450/750V. EVA insulation supports a maximum operating temperature of +110°C.

### CHARACTERISTICS

**Voltage Rating**  
450/750V

**Temperature Rating**  
Maximum operating temperature: 110°C  
Maximum conductor short-circuit temperature: 250°C  
Minimum installation temperature: 5°C

### CONSTRUCTION

**Conductor**  
Class 2 stranded Copper

**Insulation**  
EVA (Ethylene Vinyl Acetate) Rubber E18 Type

**Insulation Colour**  
● Red ● Black ● Blue ● Orange ○ White ● Yellow  
● Green/Yellow ● Grey ● Brown ● Violet ● Pink

### STANDARDS

EN 50525-1, 50525-2-42, IEC/EN 60228, IEC 60245-1/2/7, DIN VDE 0282-1/7/300, DIN VDE 0295, VDE 0298-4, EN 50395, EN 50396, HD 22.1/9, HD 308, HD 383, HD 516

Flame Retardant to IEC/EN 60332-1-2

### 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 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™.



## DIMENSIONS H07G-R

ELAND PART NO.	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL CABLE WEIGHT kg/km
B5V**0015	1.5	2.9	3.7	25
B5V**0025	2.5	3.5	4.4	39
B5V**0040	4	4.2	5.2	58
B5V**0060	6	4.7	5.9	81
B5V**010	10	6	7.4	131
B5V**016	16	6.8	8.5	195
B5V**025	25	8.4	10.6	301
B5V**035	35	9.4	11.8	405
B5V**050	50	10.9	13.7	571
B5V**070	70	12.5	15.6	778
B5V**095	95	14.5	18.1	1050
B5V**120	120	15.9	19.9	1306
B5V**150	150	17.7	22.1	1629
B5V**185	185	19.7	24.6	2008
B5V**240	240	22.4	28	2594

\* Designates the sheath colour. For each Eland Cables part number replace with the colour code as listed below: e.g. B5VRD0015 = 1.5mm<sup>2</sup> Red

## COLOUR CODES

COLOUR	Black	Blue	Grey	Green/ Yellow	Orange	Red	Pink	Yellow	Violet	Brown	White
CODE	BK	BL	GR	GY	OR	RD	PK	YW	VI	BR	WH

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.