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**ELAND<sup>®</sup>**  
**CABLES**

# H05GG-F EN 50525-2-21 Flexible Rubber Cable



Eland Product Group: B5G

## APPLICATION

Use in domestic premises, kitchens and offices, for ordinary duty applications and supplying appliances where cables are subject to low mechanical stresses (e.g. vacuum cleaners, cooking appliances, soldering irons, toasters, domestic portable tools, hand held inspection lamps) use outdoors for temporary periods of short duration.

## CHARACTERISTICS

**Voltage Rating U/U<sub>0</sub>**  
300/500V

**Temperature Rating**  
Operating: -5°C to +110°C  
Maximum temperature of short circuit: +250°C

**Minimum Bending Radius**  
Fixed: 3 x overall diameter  
Mobile: 4 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 flexible tinned copper conductor

**Insulation**  
EVA Rubber (Ethylene Vinyl Acetate) EI3

**Sheath**  
Rubber EM4

**Core Identification**  
2 core: ● Blue ● Brown  
3 core: ● Green/Yellow ● Blue ● Brown  
4 core: ● Green/Yellow ● Brown ● Black ● Grey  
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

**Sheath Colour**  
● Black

## STANDARDS

EN 50525-2-21

## THE CABLE LAB<sup>®</sup>

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](http://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 2015/65/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
B5G0200075BK	2	0.75	6.1	53
B5G020010BK	2	1	6.6	64
B5G020015BK	2	1.50	7.8	95
B5G020025BK	2	2.50	9.2	140
B5G0300075BK	2	0.75	6.6	65
B5G030010BK	3	1	7.0	77
B5G030015BK	3	1.50	8.4	115
B5G030025BK	3	2.50	9.9	170
B5G030040BK	3	4	11.7	240
B5G030060BK	3	6	13.3	320
B5G0400075BK	4	0.75	7.2	80
B5G040010BK	4	1	7.6	95
B5G040015BK	4	1.50	9.4	145
B5G040025BK	4	2.50	11.1	210
B5G040040BK	4	4	13.0	300
B5G040060BK	4	6	14.5	405
B5G0500075BK	5	0.75	8.1	100
B5G050010BK	5	1	8.4	115
B5G050015BK	5	1.50	10.3	170
B5G050025BK	5	2.50	12.4	255

## CONDUCTORS

Class 5 Flexible Copper Conductors for Single Core and Multi-Core Cables

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM DIAMETER OF WIRES IN CONDUCTOR mm	MAXIMUM RESISTANCE OF CONDUCTOR AT 20°C ohms/km
		Plain Wires
0.75	0.21	26.00
1	0.21	19.50
1.5	0.26	13.30
2.5	0.26	7.98
4	0.31	4.95
6	0.31	3.30

## ELECTRICAL CHARACTERISTICS

Current Carrying Capacity

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CURRENT CARRYING CAPACITY Amps
0.75	12
1	15
1.5	18
2.5	26
4	34
6	44