

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/U₀
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

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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	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 ²	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 ²	CURRENT CARRYING CAPACITY Amps
0.75	12
1	15
1.5	18
2.5	26
4	34
6	44