

# H03RR-F Cable



Eland Product Group: B5I

## APPLICATION

H03RR-F cables are small sized copper cables for use in fixed and mobile equipment connections in offices and kitchens. Suitable for use indoors, in temporary outdoor installations, and in dry, wet and contained explosive atmospheres environments. Not suitable for permanent outdoor use or in agricultural and industrial workshops.

## CHARACTERISTICS

**Voltage Rating**  
300V

**Temperature Rating**  
Maximum conductor operating temperature: 60°C  
Maximum conductor short-circuit temperature: 200°C  
Minimum installation temperature: -25°C

## CONSTRUCTION

**Conductor**  
Class 6 extra flexible fine stranded copper

**Separator**  
Tape

**Insulation**  
EPR (Ethylene Propylene Rubber) EI4

**Sheath**  
Rubber EM3

**Sheath Colour**  
● Black

## DIMENSIONS

ELAND PART NO.	NUMBER OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL MINIMUM OUTER DIAMETER mm	NOMINAL MAXIMUM OUTER DIAMETER mm	NOMINAL CABLE WEIGHT kg/km
B5I0200075BK	2	0.75	5.7	7.4	60
B5I020010BK	2	1	5.9	7.8	72
B5I020015BK	2	1.5	6.8	8.9	98
B5I0300075BK	3	0.75	6.0	7.9	74
B5I030010BK	3	1	6.3	8.3	85
B5I030015BK	3	1.5	7.2	9.4	120

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	CONDUCTOR RESISTANCE ohm/km
0.75	26
1	19.5
1.5	13.3

## STANDARDS

EN 50525-1/2-22, DIN VDE 0282-1/14, BS 7919, HD 308, IEC 60245-1/2/4, HD 516, DIN VDE 0298-4/300, EN 50395, EN 50396, EN/IEC 60228, HD 383, DIN VDE 0295, HD 516 T7c

Flame retardant according to EN/IEC 60332-1-2,  
Ozone resistant

## 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™.

