

H03S-K Cable



Eland Product Group: B3I

APPLICATION

Single core non-sheathed electric cables with silicone insulation. These cables are suitable for electric connexion for fixed installations in places with high temperatures, such as ovens or electric cookers.

CHARACTERISTICS

Voltage Rating U_o/U
300V/300V

Test Voltage
2kV

Temperature Rating

Operating: -60°C to +180°C
 Maximum Short Circuit Temperature: 350°C (Max. 5 seconds)

Minimum Bending Radius

5 x overall diameter

CONSTRUCTION

Conductor

Class 5 Flexible Bare or Tinned Copper

Insulation

Silicone Rubber

Colour

● Black ● Blue ● Brown ● Grey ● Orange ● Pink ● Red
 ● Turquoise ● Violet ○ White ● Green ● Yellow or
 ● Green/Yellow

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
B3I0100005**	1	0.5	0.6	2.1	8.3
B3I0100075**	1	0.75	0.6	2.4	11.5
B3I010010**	1	1	0.6	2.5	13.8
B3I010015**	1	1.5	0.7	3.0	19.3
B3I010025**	1	2.5	0.8	3.6	30.8

STANDARDS

EN 50525-2-41, BS EN 60228, EN 50363-1, IEC 60724, BS EN/IEC 60228, BS EN 50363

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™.





ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	RESISTANCE AT 20°C Ohms/km	
	Rb	Sn
0.5	39.0	40.1
0.75	26.0	26.7
1	19.5	20
1.5	13.3	13.7
2.5	7.98	8.21

COLOUR IDENTIFICATION

BK	BL	BR	GR	OR	PK	TQ	VI	WH	GN	GY
Black	Blue	Brown	Grey	Orange	Pink	Turquoise	Violet	White	Green	Green/Yellow

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.