

## 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<sub>o</sub>/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<br>mm <sup>2</sup> | NOMINAL THICKNESS OF INSULATION<br>mm | NOMINAL OVERALL DIAMETER<br>mm | NOMINAL WEIGHT<br>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, EN 60228, EN 50363-1, IEC/EN 60724,

### THE CABLE LAB<sup>®</sup>

AN ISO/IEC 17025 AND IECEE 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 2015/86/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab<sup>®</sup>.





## ELECTRICAL CHARACTERISTICS

| NOMINAL CROSS<br>SECTIONAL AREA<br>mm <sup>2</sup> | RESISTANCE AT 20°C<br>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.