

J-H(St)H FRNC Communication Cable



Eland Product Group: B8T

APPLICATION

Low-smoke, zero-halogen communication cable with improved flame-retardance. Primarily for use in buildings with a high concentration of people or material assets. For the connection of communication units indoors in wet and dry rooms on and under plaster. For outdoor installation the cable must be protected from sunlight.

CHARACTERISTICS

Voltage Rating
300V

Maximum Operating Temperature
Fixed: -30°C to +70°C

Minimum Bending Radius
Fixed: 7.5 x overall diameter

CONSTRUCTION

Conductor
Class 1 Solid Bare Copper

Insulation
Flame Retardant Non-Corrosive LSZH compound

Filler
LSZH (Low Smoke Zero Halogen)

Screen
Plastic Coated Aluminium Foil

Drain Wire
Solid Copper

Sheath
Flame Retardant Non-Corrosive LSZH compound

Core Identification
4 cores twisted into star quads
Star quads: ● Red ● Green ● Grey ● Yellow ○ White
One star quad marked by rings
Wire 1: without ring
Wire 1: one ring, wide spaced
Wire 2: Double ring, wide spaced
Wire 2: Double ring, narrow spaced

Sheath Colour
● Grey

STANDARDS

VDE 0815

Low Smoke Zero Halogen according to: DIN EN 61034/IEC 61034, DIN EN 50267/IEC 60754
Flame Retardant according to VDE 0482-266-2-4/IEC 60332-3-24 (Cat. C)

THE CABLE LAB[®]

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



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 2015/863/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

| ELAND PART NO. | NO. OF PAIRS | NOMINAL CROSS SECTIONAL AREA mm ² | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|--------------|---|--------------------------------|-------------------------|
| B8T2000006GR | 2 | 0.6 | 5.5 | 49 |
| B8T0200008GR | 2 | 0.8 | 7 | 69 |
| B8T0400006GR | 4 | 0.6 | 6.8 | 92 |
| B8T0400008GR | 4 | 0.8 | 9 | 136 |
| B8T0600006GR | 6 | 0.6 | 7.5 | 101 |
| B8T0600008GR | 6 | 0.8 | 10.5 | 152 |
| B8T1000006GR | 10 | 0.6 | 9 | 146 |
| B8T1000008GR | 10 | 0.8 | 13 | 230 |
| B8T2000006GR | 20 | 0.6 | 11 | 310 |
| B8T2000008GR | 20 | 0.8 | 16.5 | 508 |
| B8T3000006GR | 30 | 0.6 | 13 | 352 |
| B8T3000008GR | 30 | 0.8 | 20 | 599 |
| B8T4000006GR | 40 | 0.6 | 15 | 464 |
| B8T4000008GR | 40 | 0.8 | 22.5 | 787 |
| B8T5000006GR | 50 | 0.6 | 17 | 573 |
| B8T5000008GR | 50 | 0.8 | 25.5 | 973 |
| B8T6000006GR | 60 | 0.6 | 18 | 661 |
| B8T6000008GR | 60 | 0.8 | 28 | 1121 |
| B8T8000006GR | 80 | 0.6 | 20.5 | 876 |
| B8T8000008GR | 80 | 0.8 | 31 | 1476 |
| B8T10000006GR | 100 | 0.6 | 23 | 1056 |
| B8T10000008GR | 100 | 0.8 | 32 | 1805 |

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.