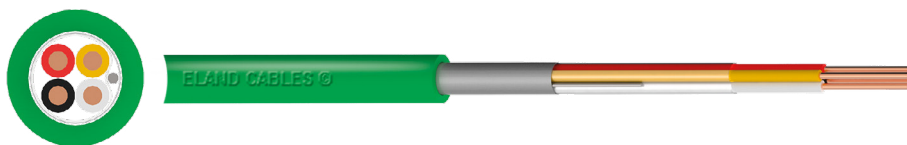




KNX/EIB Cable



Eland Product Group: A8P

APPLICATION

For use in bus systems (EIB - European Installaton Bus) and as ICA cable in power installations. Laying in/on plaster, even in moist and wet rooms. Not approved for power and underground installation.

CHARACTERISTICS

Voltage Rating

125V

Temperature Rating

Fixed: -30°C to +70°C

Minimum Bending Radius

Fixed: 7.5 x overall diameter

CONSTRUCTION

Conductor

Solid bare copper wire conductor

Insulation

LSZH (Low Smoke Zero Halogen)

Tape

Plastic foil

Shield

Al/PET (Aluminim/Polyester Tape)

Drain Wire

Tinned copper wire

Sheath

LSZH (Low Smoke Zero Halogen)

Core Identification

● Red ● Black ● Yellow ○ White

Sheath Colour

● Green

STANDARDS

EN 50090, EN 60669-2-1

Flame Retardant according to: IEC/EN 60332-1-2

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 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 PAIRS | NOMINAL DIAMETER OF CONDUCTOR mm | NOMINAL OVERALL DIAMETER mm | NOMINAL WEIGHT kg/km |
|----------------|---------------|-------------------------------------|--------------------------------|-------------------------|
| A8P-KNX | 2 Pair (Quad) | 0.8 | 6.2 | 59 |

ELECTRICAL CHARACTERISTICS

| MAXIMUM DC RESISTANCE OF CONDUCTOR ohms/km | CAPACITANCE AT 800HZ nF/km (100nF/km max) | CHARACTERISTIC IMPEDANCE AT 1MHZ ohms | ATTENUATION dB/100m | | |
|--|---|---|------------------------|---------|----------|
| | | | At 500kHz | At 4MHz | At 25MHz |
| 37.5 | 75 | 80 | 3.5 | 4.2 | 20 |

| NOMINAL VELOCITY OF PROPAGATION AT 10MHZ % | MAXIMUM DELAY SKEW AT 10MHZ nsec/100m | DIELECTRIC STRENGTH kVac/1min | | MINIMUM INSULATION RESISTANCE Gohms/km |
|--|--|----------------------------------|------------------|--|
| | | Conductor/Conductor | Conductor/Shield | |
| 67 | 5 | 2.5 | 2.5 | 5.0 |

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.