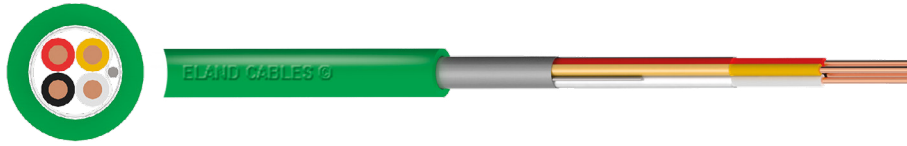


**ELAND<sup>®</sup>**  
**CABLES**

## 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

BS EN 50090, CEI EN 60669-2-1

Flame Retardant according to: BS EN/IEC 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.