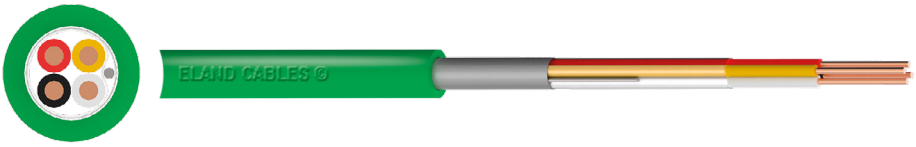
KNX/EIB Cable



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

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 meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/65/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 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

UK T 020 7241 8787 | F 020 7241 8700 | sales@elandcables.com | www.elandcables.com
International T +44 20 7241 8740 | F +44 20 7241 8700 | international@elandcables.com