



# H07BQ-F Cable



Eland Product Group: A7Q

## APPLICATION

For use in agricultural workshops, building sites, for heavy duty applications and supplying industrial and agricultural machines and appliances where cables are subject to medium mechanical stresses (e.g. heating plates, inspection lamps, electric tools such as drills, circular saws, and domestic electric tools). Use in dry, humid or moist rooms; fixed installations e.g. on rough-cast in temporary buildings and huts for accommodation purposes.

## CHARACTERISTICS

**Voltage Rating** Uo/U  
450/750V

**Test Voltage**  
2.5kV

**Temperature Rating**  
Operating: -40°C to +90°C  
Maximum Short Circuit Temperature: 250°C (Max. 5 seconds)

**Minimum Bending Radius**  
5 x overall diameter

## CONSTRUCTION

**Conductor**  
Class 5 Flexible Copper

**Insulation**  
Cross-linked EPR (Ethylene Propylene Rubber)

**Outer Sheath**  
PUR (Polyurethane)

**Core Identification**  
2 core: ● Blue ● Brown  
3 core: ● Green/Yellow ● Blue ● Brown  
4 core: ● Green/Yellow ● Brown ● Black ● Grey  
5 core: ● Green/Yellow ● Brown ● Black ● Grey ● Blue

**Sheath Colour**  
● Orange

## STANDARDS

EN 50525-2-21, EN 60228, EN 50363-1, EN 50363-10-2, IEC/EN 60724

Water Resistance AD7 according to IEC 60364-3

## 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.



8578



FS 672069



EMS 672067

OHS 672066

## 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 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™.



KM E34267





## DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	NOMINAL THICKNESS OF INSULATION mm	NOMINAL THICKNESS OF OUTER SHEATH mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A7Q0200100R	2	1	0.8	0.9	7.6	64
A7Q0200150R	2	1.5	0.8	1.0	8.4	82
A7Q0200250R	2	2.5	0.9	1.1	9.8	134
A7Q0200400R	2	4	1.0	1.2	11.4	168
A7Q0300100R	3	1	0.8	1.0	8.3	79
A7Q0300150R	3	1.5	0.8	1.0	8.9	97
A7Q0300250R	3	2.5	0.9	1.1	10.4	166
A7Q0300400R	3	4	1.0	1.3	12.3	210
A7Q0300600R	3	6	1.0	1.4	13.7	281
A7Q030100R	3	10	1.2	2.1	18.1	490
A7Q0400100R	4	1	0.8	1.0	9.0	94
A7Q0400150R	4	1.5	0.8	1.1	9.9	121
A7Q0400250R	4	2.5	0.9	1.2	11.6	210
A7Q0400400R	4	4	1.0	1.4	13.7	262
A7Q0400600R	4	6	1.0	1.5	15.2	351
A7Q040100R	4	10	1.2	2.2	19.9	607
A7Q0500100R	5	1	0.8	1.1	10.0	113
A7Q0500150R	5	1.5	0.8	1.2	11.0	146
A7Q0500250R	5	2.5	0.9	1.3	12.9	256
A7Q0500400R	5	4	1.0	1.5	15.2	318
A7Q0500600R	5	6	1.0	1.6	16.8	424
A7Q050100R	5	10	1.2	2.3	23.9	855
A7Q050160R	5	16	1.2	2.6	27.5	1208

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	RESISTANCE AT 20°C Ohms/km
1	19.5
1.5	13.3
2.5	7.98
4	4.95
6	3.30
10	1.91
16	1.21

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.