



MMO/J HF Cable



Eland Product Group: B1U

APPLICATION

This cable is suitable for fixed installations, indoor, outdoor, on surface and in conduits. Not to be laid in soil nor directly in cast concrete. Where needed halogen free, non corrosive gases and low smoke density cables. Self extinguishing, no after-burning.

CHARACTERISTICS

Voltage Rating Uo/U
450/750V

Temperature Rating
Operating: -15°C to +70°C

Short Circuit Temperature
160°C

Minimum Bending Radius
9 x overall diameter

CONSTRUCTION

Conductor
Circular solid copper

Insulation
Halogen free polyolefine

Filler
Halogen free filling

Sheath
Halogen free polyolefine, UV resistant

Core identification

MMO

● Black numbered

MMJ

3 core: ● Green/Yellow ● Blue ● Brown

5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey

Sheath Colour

○ White

STANDARDS

HD 308 S2, EN 60754-2, EN 61034-2

Flame retardant according to EN 60332-3-23

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 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™.





DIMENSIONS

MM-O

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	MAXIMUM ALLOWED PULLING FORCE kN	NOMINAL WEIGHT kg/km
B1U070015WH	7	1.5	14	0.53	250
B1U070025WH	7	2.5	16	0.88	370
B1U120015WH	12	1.5	18	0.9	400
B1U120025WH	12	2.5	20	1.5	560
B1U190015WH	19	1.5	20	1.43	580
B1U190025WH	19	2.5	25	2.38	840
B1U270015WH	27	1.5	25	2.03	820
B1U270025WH	27	2.5	29	3.38	1190

MM-J

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	MAXIMUM ALLOWED PULLING FORCE kN	NOMINAL WEIGHT kg/km
B1U030015WH	3	1.5	11	0.23	160
B1U030025WH	3	2.5	12	0.38	210
B1U030060WH	3	6	16	0.9	410
B1U03010WH	3	10	20	1.5	610
B1U050015WH	5	1.5	13	0.38	210
B1U050025WH	5	2.5	15	0.63	300
B1U050060WH	5	6	19	1.5	600
B1U04010WH	5	10	23	2.5	910
B1U05016WH	5	16	26	4	1270

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT AT 20°C ohm/km
1.5	12.1
2.5	7.41
6	3.08
10	1.83
16	1.15

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.