

MCMO-HF Cable



Eland Product Group: B1R

APPLICATION

The MCMO-HF cable is suitable for fixed installation indoors and outdoors and in soil. The cables are intended for control and signalling functions in power electric application. 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

Minimum temperature during handling and installation: -15°C
Minimum temperature during transport: -40°C
Maximum Conductor Temperature: +90°C

Short Circuit Temperature
+250°C

Minimum Bending Radius
Installation: 12 x overall diameter
Operation: 8 x overall diameter

CONSTRUCTION

Conductor
Class 1 Circular solid copper

Insulation
Halogen free XLPE (Cross-linked polyethylene)

Inner Sheath
Extruded halogen free filling compound

Concentric Conductor
Copper wires and bidding tape

Outer Sheath
Extruded halogen free and UV-resistant compound

Core Identification
● Black numbered

Sheath Colour
● Black

STANDARDS

HD 627 S1:1996/A2:2005 Part 7 Section D-2, IEC 60228, IEC/EN 60754-2, IEC/EN 61034-2

Flame retardant according to EN-60332-3-23

THE CABLE LAB[®]

AN ISO/IEC 17025 AND IECCE 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 is compliant with European Regulation EN 50575, the Construction Products Regulation.



This cable meets the requirements of the Low Voltage Directive 2014/35/EU, the RoHS Directive 2015/86/EU and Reach Directive EC 1907/2006. RoHS compliance has been tested and confirmed by The Cable Lab[®].





DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OUTER DIAMETER mm	NOMINAL WEIGHT kg/km
B1R70015	7	1.5	15	320
B1R70025	7	2.5	17	420
B1R120015	12	1.5	19	470
B1R120025	12	2.5	21	620
B1R190015	19	1.5	22	630
B1R190025	19	2.5	25	880
B1R270015	27	1.5	25	830
B1R270025	27	2.5	28	1200

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm ²	MAXIMUM CONDUCTOR DC RESISTANCE AT 20°C ohm/km	MAXIMUM CONCENTRIC CONDUCTOR DC RESISTANCE AT 20°C ohm/km
1.5	12.1	3.08
2.5	7.41	3.08

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.