FHL2G cable

Eland Product Group: CP2

APPLICATION

Unshielded cable for automotive electric powertrain.

CHARACTERISTICS

Voltage Rating
0.6/1kV

Test Voltage
spark test: 8kV
5 minutes: 5kV

Temperature Rating
Operating temperature: -40°C to +180°C 3000 (hours)
Short term ageing: +205 °C 240 (hours)

Minimum Bending Radius
Static installation: 2 x overall diameter
Dynamic Installation: 4 x overall diameter

CONSTRUCTION

Conductor
Class 6 fine flexible stranded Copper

Insulation
SiR (Silicon rubber)

Sheath Colour
Orange

STANDARDS

LV 216-1 table A.1, VW N 108 558, DIN EN 13602

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.

UKAS ISO/IEC 17025 Accredited Testing Laboratory 8578
bsi. ISO 9001 Quality Management FS 672069
ISO 14001 Environmental Management EMS 672067
ISO 45001 Occupational Health and Safety Management OHS 672066

REGULATORY COMPLIANCE

This cable is compliant with European Reglation EN 50575, the Construction Products Regulation.

CPR COMPLIANT EN 50575

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™.

bsi. RoHS Trusted KITEMARK™ KM 634267
RoHS
CE

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	CONDUCTOR DIAMETER mm	INSULATION THICKNESS mm	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT g/m
CP201035OR	1	35	8.5	1.04	11	350
CP201050OR	1	50	10.5	1.2	13.2	507

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM DC RESISTANCE OF CONDUCTOR AT 20°C ohms/km	CURRENT RATING A			
		at 20°C	at 85°C	at 125°C	at 140°C
35	0.527	380	330	280	260
50	0.368	485	420	360	340

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