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

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

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 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

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