H05RN-F Flexible Rubber Cable

Eland Product Group: B4G

APPLICATION

For general use in domestic premises, kitchens, offices and industrial equipment where the cables are subjected to low mechanical stress. Suitable for dry, damp and wet installations, including temporary outdoor power. Supply of electricity and communications in buildings and other civil engineering works with the objective of limiting the generation and spread of fire.

CHARACTERISTICS

Voltage Rating U/Uo
300/500V

Temperature Rating
Operating: -40°C to +60°C
Minimum installation and use temperature: -25°C
Maximum temperature of short circuit: +200°C

Minimum Bending Radius
Fixed: 4 x overall diameter
Mobile: 6 x overall diameter

CONSTRUCTION

Conductor
Class 5 flexible copper conductor

Insulation
EPR (Ethylene Propylene Rubber) EI4

Sheath
PCP (Polychloroprene) EM2

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

Sheath Colour
Black

STANDARDS

IEC/EN 50525-2-21, CEI 20-107/2-21, CEI 20-19/4 (CENELEC HD 22.4 S4), BS 6500:2000, NF C 32-102-4 VDE 0282-4, EN 50575:2014 + EN 50575/A1:2016

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 Testing laboratory accreditation 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 Regulation 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 HAR

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm²	MAXIMUM CONDUCTOR DIAMETER mm	NOMINAL THICKNESS OF INSULATION mm	NOMINAL OVERALL DIAMETER mm		NOMINAL WEIGHT kg/km
					Minimum	Maximum	
B4G0200075	2	0.75	0.95	0.6	5.7	7.4	44
B4G020010	2	1	1.30	0.6	6.1	8.0	55
B4G0300075	3	0.75	0.95	0.6	6.2	8.1	60
B4G030010	3	1	1.30	0.6	6.5	8.5	72
B4G0400075	4	0.75	0.95	0.6	6.8	8.8	82
B4G040010	4	1	1.30	0.6	7.1	9.3	87

ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm²	ELECTRIC RESISTANCE AT 20°C Ohm/km	CURRENT CARRYING CAPACITIES IN AIR 30°C (A)
0.75	26	6
1	19.5	10

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