



H07RN-8-F EN 50525-2-21 Flexible Rubber Cable



Eland Product Group: A4G

APPLICATION

For installation in dry, damp or wet environments, in workshops with explosive atmospheres: it can be immersed in fresh water up to 10m depth and it could be used as energy supply cable for submersed pumps. Not suitable for underwater power transmission or installation in a waterway or where mechanical damage might occur and cause hazard. For connections liable to moderate mechanical stresses, i.e. industrial or agricultural workshop apparatus, large boilers, heater plates, electric tools such as drills and disk saws, electric appliances, portable motors and generators on building sites; also for fixed installations along floors or shelving on temporary job sites, for connecting structural elements in lifting apparatus, machinery, etc. Suitable for applications up to 1kV for adequately protected fixed installations (i.e. inside pipes or equipment) as well as for rotor connections to lifting equipment motors.

CHARACTERISTICS

Voltage Rating U/U₀
450/750V

Temperature Rating
Fixed: -40°C to +60°C
Flexed: -15°C to +60°C

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

CONSTRUCTION

Conductor
Class 5 flexible copper conductor

Insulation
Rubber

Sheath
Rubber

Core Identification
1 core: ● Black
2 core: ● Blue ● Brown
3 core: ● Green/Yellow ● Blue ● Brown
4 core: ● Green/Yellow ● Blue ● Brown ● Grey
5 core: ● Green/Yellow ● Blue ● Brown ● Black ● Grey
6 core and above: ● Black with ○ White numbers ● Green/Yellow

Sheath Colour
● Black

STANDARDS

EN 50525-2-21, HD 22.4S3, CEI 20-19 Part 16, EN 60228, VDE 0295

Flame Retardant according to IEC/EN 60332-1-2

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

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	CONDUCTOR DIAMETER mm	MINIMUM OVERALL DIAMETER mm	MAXIMUM OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4G10015	1	1.5	1.5	5.7	7.1	50
A4G10025	1	2.5	1.9	6.3	7.9	70
A4G10040	1	4	2.4	7.2	9	100
A4G10060	1	6	3	7.9	9.8	130
A4G1010	1	10	3.9	9.5	11.9	200
A4G1016	1	16	4.9	10.8	13.4	280
A4G1025	1	25	6.1	12.7	15.8	400
A4G1035	1	35	7.3	14.3	17.9	510
A4G1050	1	50	8.9	16.5	20.6	710
A4G30015	3	1.5	1.5	9.2	11.9	150
A4G30025	3	2.5	1.9	10.9	14	210
A4G30040	3	4	2.4	12.7	16.2	280
A4G30060	3	6	3	14.1	18	370
A4G3010	3	10	3.9	19.1	24.2	660
A4G3016	3	16	4.9	21.8	27.6	920
A4G3025	3	25	6.1	26.1	33	1360
A4G3035	3	35	7.3	29.3	37.1	1820
A4G3050	3	50	8.9	34.1	42.9	2500
A4G40010	4	1	1.2	9.2	11.9	150
A4G40015	4	1.5	1.5	10.2	13.1	190
A4G40025	4	2.5	1.9	12.1	15.5	260
A4G40040	4	4	2.4	14	17.9	350
A4G40060	4	6	3	15.7	20	460
A4G4010	4	10	3.9	20.9	26.5	830
A4G4016	4	16	4.9	23.8	30.1	1190
A4G4025	4	25	6.1	28.9	36.6	1720
A4G4035	4	35	7.3	32.5	41.1	2260
A4G70015	7	1.5	1.5	15	19	340
A4G70025	7	2.5	1.9	17.5	21.5	500
A4G12015	12	1.5	1.5	17.6	22.4	530
A4G12025	12	2.5	1.9	20.6	26.2	720
A4G18015	18	1.5	1.5	20.7	26.3	700
A4G24015	24	1.5	1.5	24.3	30.7	960
A4G36015	36	1.5	1.5	27.8	35.2	1360

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.