

H07RN-8-F BS 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 10 metres depth and therefore it could be used as energy supply cable for submersed pumps. It is not suitable for underwater power transmission or installation in a waterway or where it is possible that 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 1000V for adequately protected fixed installations (i.e. inside pipes or equipment) as well as for rotor connections to lifting equipment motors.

CONSTRUCTION

Phase Conductor

Flexible copper conductor according to VDE 0295

Insulation

Rubber Type EI4 according to VDE 0282

Sheath

Rubber Type EM2 according to VDE 0282

CABLE STANDARDS

BS EN 50525-2-21, CENELEC HD 22.4S3, CEI 20-19 Part 16,
BS EN/IEC 60332-1-2



The electrical and dimensional properties of this product are measured by the Technical and Quality Assurance department at the Eland Cables laboratory. Cable performance in respect of conductor resistance, construction quality (workmanship), dimensional consistency, and other parameters are verified to published standards and approved product drawings. Conformance to RoHS (Restriction of the use of Hazardous Substances) is determined and confirmed.

CHARACTERISTICS

Voltage Rating (U_o/U)

450/750V

Test Voltage

2.5kV

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

Short Circuit Temperature

+250°C

Sheath Colour

● Black

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
A4G1140	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.