

## U-1000 AR2V Quadra 0.6/1kV Cable



Eland Product Group: A4UA

### APPLICATION

Quadra construction based on Based on U1000- AR2V, these pre laid up cables give a time and space saving benefit. 4-cable twisted bundle U-1000 AR2V single-conductor cables of equal cross-section, identified by stripes of harmonised colours (3 phases + neutral) For use in Low-voltage industrial or commercial installations.

Connections between MV/LV transformers.

Connections between main LV switchboards and distribution boards.

Power supply for industrial production equipment (machinery).

### CHARACTERISTICS

**Voltage Rating** U<sub>o</sub>/U  
0.6/1kV

**Test Voltage**  
4kV

**Temperature Rating**  
Operating: -25°C to +90°C

**Minimum Bending Radius**  
Single core: 15 x overall diameter  
Multi core: 12 x overall diameter

### CONSTRUCTION

**Conductor**  
Class 2 Stranded Aluminium

**Insulation**  
XLPE (Cross-Linked Polyethylene)

**Filler**  
Extruded elastomere or plastomere compound or plastic tape

**Sheath**  
PVC Compound (Polyvinyl Chloride)

**Core Identification**  
Based on 4 AR2V singles, identified by stripes of harmonised colours (3 phases + neutral)  
 ● Brown, ● Black, ● Grey, ● Blue

**Sheath Colour**  
● Black

### STANDARDS

IEC 60502-1, Generally to NF C 33-321

Water Resistant to AD8

UV Resistant to ISO 4892-3

### 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](http://www.elandcables.com/company/about-us/esg-sustainability)



### 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, the RoHS Directive 2015/853/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 mm <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A4UA04016	4x1	16	19	488
A4UA04025	4x1	25	24	700
A4UA04035	4x1	35	26	824
A4UA04050	4x1	50	30	1068
A4UA04070	4x1	70	34	1432
A4UA04095	4x1	95	38	1804
A4UA04120	4x1	120	42	2184
A4UA04150	4x1	150	46	2620
A4UA04185	4x1	185	50	3200
A4UA04240	4x1	240	55	3948
A4UA04300	4x1	300	62	5296
A4UA04400	4x1	400	69	6560
A4UA04500	4x1	500	79	8120
A4UA04630	4x1	630	88	9600

## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	MAXIMUM CONDUCTOR RESISTANCE AT 20°C ohm / km	CURRENT CARRYING CAPACITY A	
		In Air	In Ground
16	1.91	83	91
25	1.2	106	114
35	0.868	130	136
50	0.641	161	162
70	0.443	204	199
95	0.32	252	238
120	0.253	295	272
150	0.206	339	305
185	0.164	395	347
240	0.125	472	404
300	0.1	547	457
400	0.0778	643	525
500	0.0605	754	601
630	0.0469	882	687

Current rating for multicore cable installed in open air, ambient temperature= 30°C

Current rating for multicore cable, directly buried in ground, soil temperature= 20°C, depth of burial = 0.7m

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.