

# U-1000 RVFV - XAV XLPE PVC 0.6-1kV Cable



Eland Product Group: A9RV

## APPLICATION

These U-1000 RVFV cables are suitable for direct burial without additional protection or for installation on cable trays or in ducts where mechanical protection is necessary.

## CHARACTERISTICS

**Voltage Rating** Uo/U  
0.6/1kV

**Temperature Rating**  
-10°C to +90°C

## CONSTRUCTION

### Conductor

1.5mm<sup>2</sup> to 4mm<sup>2</sup>: Class 1 solid copper conductor\*  
6mm<sup>2</sup> and above: Class 2 stranded copper conductor  
\*Class 2 stranded conductor available for these sizes on request

### Insulation

XLPE (Cross-Linked Polyethylene)

### Inner Sheath

PVC (Polyvinyl Chloride)

### Armour

Two steel tapes

### Sheath

PVC (Polyvinyl Chloride)

### Core Identification

2 core: ● Blue ● Brown  
3 core: ● Black ● Brown ● Grey  
3 core including earth: ● Blue ● Brown ● Green/Yellow

### Sheath Colour

● Black  
Other colours available on request

## STANDARDS

NF C 32-322

Flame Retardant according to NF C 32-070 C2,  
IEC 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.



8578

FS 672069

EMS 672067

OHS 672066

## 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 <sup>2</sup>	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
A9RVFV20015	2	1.5	13	215
A9RVFV20025	2	2.5	14	249
A9RVFV20040	2	4	15.5	309
A9RVFV20060	2	6	16.5	386
A9RVFV2010	2	10	18.5	515
A9RVFV2016	2	16	20.5	709
A9RVFV2025	2	25	23.5	1063
A9RVFV30025	3	2.5	14.5	274
A9RVFV30040	3	4	16	352
A9RVFV30060	3	6	17.5	447
A9RVFV3010	3	10	19	624
A9RVFV3016	3	16	22	849
A9RVFV3025	3	25	25	1273
A9RVFV3035	3	35	32.5	1644
A9RVFV3050	3	50	37.5	2107
A9RVFV3070	3	70	35	2862
A9RVFV3095	3	95	40	4190
A9RVFV3120	3	120	45	5176
A9RVFV3150	3	150	50	6303
A9RVFV3185	3	185	54	7698
A9RVFV3240	3	240	63	9814
A9RVFV3050N	3	50	34.5	2560
A9RVFV3070N	3	70	40	3492
A9RVFV3095N	3	95	45	4790
A9RVFV3120N	3	120	50	5951
A9RVFV3150N	3	150	54	7090
A9RVFV50015	5	1.5	15.5	301
A9RVFV50025	5	2.5	17	373
A9RVFV50040	5	4	18.5	480
A9RVFV50060	5	6	20.5	638
A9RVFV5010	5	10	22.5	900
A9RVFV5016	5	16	26	1250
A9RVFV5025	5	25	31	1903
A9RVFV5035	5	35	32	2455



## ELECTRICAL CHARACTERISTICS

NOMINAL CROSS SECTIONAL AREA mm <sup>2</sup>	PERMISSIBLE CURRENT RATING WHEN BURIED Amps		
	2 core	3 core	5 core
1.5	37	-	31
2.5	48	41	41
4	63	53	53
6	80	66	66
10	104	87	87
16	136	113	113
25	173	144	144
35	-	174	170
50	-	206	-
70	-	254	-
95	-	301	-
120	-	343	-
150	-	387	-
185	-	434	-
240	-	501	-

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.