

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

1.5mm² to 4mm²: Class 1 solid copper conductor*
6mm² 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

THE CABLE LAB®

AN ISO/IEC 17025 AND IECCE 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



SCIENCE
BASED
TARGETS

**BUSINESS
AMBITION FOR 1.5°C**



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 2015/65/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 ²	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 ²	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.