

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 (bursting risk).

CONSTRUCTION

Conductor

Class 1 solid or Class 2 stranded copper conductor

Insulation

XLPE (Cross-Linked Polyethylene)

Inner Sheath

PVC (Polyvinyl Chloride)

Armour

Two steel tapes

Outer Sheath

PVC (Polyvinyl Chloride)

CABLE STANDARDS

NF C 32-322



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 (U₀/U)

600/1000V

Test Voltage

3.5 kV

Temperature Rating

-10°C to +60°C

Maximum Operating Temperature

+90°C

Core Identification

2 core: ● Blue ● Brown

3 core: ● Black ● Brown ● Grey

3 core including earth: ● Blue ● Brown ● Green/Yellow

Outer Sheath Colour

● Black

Other colours available on request

DIMENSIONS

ELAND PART NO.	NO. OF CORES	NOMINAL CROSS SECTIONAL AREA mm ²	NOMINAL OVERALL DIAMETER mm	NOMINAL WEIGHT kg/km
2 core				
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
3 core				
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
3 core with smaller neutral conductor				
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
5 core				
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.