

U-1000 ARV FV 1kV Cable - 10mm² to 300mm²



Description

U-1000 ARV FV stranded aluminium power cable rated 0.6/1kV for power distribution in electric plants, transformer stations, and industrial installations. Features XLPE insulation, PVC sheath, and double steel tape armour for mechanical protection.

Key Features



Voltage Rating
600/1000 Volts



Minimum Bending Radius
Single Core 15 x Overall Diameter
Multicore 12 x Overall Diameter



Flame Retardancy
NF C 32-070 C2 / BS EN/IEC 60332-1



Temperature Limits
Operating Temperature: -15°C to +90°C
Maximum Short Circuit Temperature: +250°C

Core Colours

2 core -	Brown	Blue			
3 core -	Brown	Black	Grey		
3 core with earth -	Brown	Blue	Green Yellow		
4 core -	Brown	Black	Blue	Grey	
5 core -	Brown	Black	Blue	Grey	Black

Standards

- BS EN/IEC 60228
- NF C 32-322
- NF C 32-070 C2 / BS EN/IEC 60332-1

Construction

- **Conductor:** Class 2 Stranded Aluminium Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Bedding:** Extruded elastomere or plastomere compound or plastic tape
- **Inner Sheath:** Polyvinyl Chloride (PVC)
- **Armour:** Double Steel Tape
- **Outer Sheath:** Polyvinyl Chloride (PVC)
- **Sheath Colour:** Black

QA Lab

Cleveland Cable Test & Training Lab

Our state-of-the-art cable testing facility ensures that every cable meets the highest standards of quality and compliance through continuous, rigorous testing. Where applicable, cables are independently tested and certified by BASEC to ensure full compliance.



CPR

Cleveland Cable Company is committed to compliance with the Construction Products Regulation (CPR). Where applicable, all cables manufactured after 1st July 2017 have been assessed in accordance with CPR requirements, with full supporting documentation available.



Our Sustainability Commitment

We are committed to the journey to Net Zero as a business partner, an employer and a community member.

By thinking and acting sustainably, we deliver excellent customer service while reducing carbon emissions in collaboration with our customers and suppliers.



ecovadis

Cleveland Cable Company has been independently assessed by EcoVadis, a globally recognised provider of business sustainability ratings. Our score places us among the top 35% of companies evaluated worldwide, reflecting our strong commitment to environmental, social, and ethical performance



U-1000 ARV FV 1kV Cable - 10mm² to 300mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
U1000ARV FV1KV2X1 0	10	2	0.7	1.4	18.5	420
U1000ARV FV1KV3X1 0	10	3	0.7	1.4	19.0	470
U1000ARV FV1KV4X1 0	10	4	0.7	1.5	21.0	550
U1000ARV FV1KV5X1 0	10	5	0.7	1.6	23.0	650
U1000ARV FV1KV2X1 6	16	2	0.7	1.5	20.5	540
U1000ARV FV1KV3X1 6	16	3	0.7	1.5	22.0	590
U1000ARV FV1KV4X1 6	16	4	1.7	1.6	24.0	700
U1000ARV FV1KV5X1 6	16	5	0.7	1.7	26.5	830
U1000ARV FV1KV4X2 5	24	4	0.9	1.7	28.5	1000
U1000ARV FV1KV2X2 5	25	2	0.9	1.6	24.5	760
U1000ARV FV1KV3X2 5	25	3	0.9	1.6	26.0	830
U1000ARV FV1KV5X2 5	25	5	0.9	1.8	31.0	1200
U1000ARV FV1KV2X3 5	35	2	0.9	1.7	27.0	930
U1000ARV FV1KV3X3 5	35	3	0.9	1.7	29.0	1030
U1000ARV FV1KV4X3 5	35	4	0.9	1.7	32.0	1240
U1000ARV FV1KV5X3 5	35	5	1.1	1.7	32.0	1365
U1000ARV FV1KV3X5 0	50	3	0.9	1.8	26.0	1290
U1000ARV FV1KV4X5 0	50	4	1.1	1.8	36.0	1550
U1000ARV FV1KV5X5 0	50	5	1.1	1.8	37.0	1995
U1000ARV FV1KV3X7 0	70	3	1.1	2.0	29.0	1710
U1000ARV FV1KV4X7 0	70	4	1.2	2.0	43.0	2500
U1000ARV FV1KV5X7 0	70	5	1.2	2.0	42.0	2590
U1000ARV FV1KV3X9 5	95	3	1.1	2.1	43.5	2610

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
U1000ARV1KV4X9 5	95	4	1.1	2.1	48.0	3125
U1000ARV1KV5X9 5	95	5	1.1	2.2	47.5	3275
U1000ARV1KV3X1 20	120	3	1.2	2.3	47.5	3110
U1000ARV1KV4X1 20	120	4	1.2	2.3	53.0	3890
U1000ARV1KV5X1 20	120	5	1.2	2.3	52.0	3900
U1000ARV1KV3X1 50	150	3	1.4	2.4	53.0	3770
U1000ARV1KV4X1 50	150	4	1.4	2.4	59.0	4550
U1000ARV1KV5X1 50	150	5	1.4	2.4	58.0	4800
U1000ARV1KV3X1 85	185	3	1.6	2.5	58.0	4550
U1000ARV1KV4X1 85	185	4	1.6	2.7	65.0	5500
U1000ARV1KV3X2 40	240	3	1.7	2.7	65.5	5625
U1000ARV1KV4X2 40	240	4	1.7	2.9	73.0	6870
U1000ARV1KV3X3 00	300	3	1.8	2.8	72.5	6835
U1000ARV1KV4X3 00	300	4	1.8	3.0	80.0	8250

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