

U-1000 ARVFV 1kV Cable - 10mm² to 300mm²



Description

U-1000 ARVFV are a stranded aluminium, XLPE, PVC power cable designed for power distribution systems in France. They are designed in accordance with Norme Français NF C32-321 and NF C32-322. The U-1000 defines the cables as having a voltage rating of 600/1000V (0.6/1kV). ARVFV cables have a temperature range of -10°C to +60°C U-1000.

This cable can be used in electric power plants, transformer stations, industrial plants, metropolitan networks and other electric plants. AR2V cable is designed for internal use, being fixed to walls or contained on cable tray or in conduit. In relevant installations this can then be used for direct burial externally. ARVFV cable includes a double layer of steel tape armour, providing some 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

ecovadis

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 FV 1KV2X10	10	2	0.7	1.4	18.5	420
U1000ARV FV 1KV3X10	10	3	0.7	1.4	19.0	470
U1000ARV FV 1KV4X10	10	4	0.7	1.5	21.0	550
U1000ARV FV 1KV5X10	10	5	0.7	1.6	20.0	650
U1000ARV FV 1KV2X16	16	2	0.7	1.5	20.5	540
U1000ARV FV 1KV3X16	16	3	0.7	1.5	22.0	590
U1000ARV FV 1KV4X16	16	4	1.7	1.6	24.0	700
U1000ARV FV 1KV5X16	16	5	0.7	1.7	26.5	830
U1000ARV FV 1KV4X25	24	4	0.9	1.7	28.5	1000
U1000ARV FV 1KV2X25	25	2	0.9	1.6	24.5	760
U1000ARV FV 1KV3X25	25	3	0.9	1.6	26.0	830
U1000ARV FV 1KV5X25	25	5	0.9	1.8	31.0	1200
U1000ARV FV 1KV2X35	35	2	0.9	1.7	27.0	930
U1000ARV FV 1KV3X35	35	3	0.9	1.7	22	1030
U1000ARV FV 1KV4X35	35	4	0.9	1.7	32.0	1240
U1000ARV FV 1KV5X35	35	5	1.1	1.7	32.0	1365
U1000ARV FV 1KV3X50	50	3	0.9	1.8	26.0	1290
U1000ARV FV 1KV4X50	50	4	1.1	1.8	36.0	1550
U1000ARV FV 1KV5X50	50	5	1.1	1.8	37.0	1995
U1000ARV FV 1KV3X70	70	3	1.1	2.0	29.0	1710
U1000ARV FV 1KV4X70	70	4	1.2	2.0	43.0	2500
U1000ARV FV 1KV5X70	70	5	1.2	2.0	42.0	2590
U1000ARV FV 1KV3X95	95	3	1.1	2.1	43.5	2610

Reference	Conductor Size (mm ²)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
U1000ARV1KV4X95	95	4	1.1	2.1	48.0	3125
U1000ARV1KV5X95	95	5	1.1	2.2	47.5	3275
U1000ARV1KV3X120	120	3	1.2	2.3	47.5	3110
U1000ARV1KV4X120	120	4	1.2	2.3	53.0	3890
U1000ARV1KV5X120	120	5	1.2	2.3	52.0	3900
U1000ARV1KV3X150	150	3	1.4	2.4	53.0	3770
U1000ARV1KV4X150	150	4	1.4	2.4	59.0	4550
U1000ARV1KV5X150	150	5	1.4	2.4	58.0	4800
U1000ARV1KV3X185	185	3	1.6	2.5	58.0	4550
U1000ARV1KV4X185	185	4	1.6	2.7	65.0	5500
U1000ARV1KV3X240	240	3	1.7	2.7	65.5	5625
U1000ARV1KV4X240	240	4	1.7	2.9	73.0	6870
U1000ARV1KV3X300	300	3	1.8	2.8	72.5	6835
U1000ARV1KV4X300	300	4	1.8	3.0	80.0	8250

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