

RV-K Single Core Copper XLPE PVC Cable 1.8/3kV 50mm² to 630mm²



Description

Single core RV-K 1.8/3kV cable is a low voltage class 5, flexible power distribution cable with a rating of 1.8/3kV. It is made in accordance with IEC 60502-1 with UV resistance to AENOR Spanish standard UNE 211605

The high flexibility of the RV-K Cable with its Class 5 Copper conductors makes cable it suitable for complex routes as are found in Datacentres and renewables installations. It can be buried or installed in conduit as well as outdoors without requiring additional protection as allowable by various local regulations.

The outer sheath of the RV-K cable is flame retardant PVC in accordance with UNE/EN/IEC 60332-1 and the XLPE insulation provides an operating temperature range of -40°C to +90°C. RV-K is compliant to CPR. The RV-K cable is rated AD8 for water resistance. The chemical additive to the PVC outer sheath offers protection against rodents.

Key Features



Voltage Rating
1.8/3kV



Minimum Bending Radius
Fixed: 8 x overall diameter



Flame Retardancy
BS EN/IEC 60332-1



Temperature Limits
Fixed: -40°C to +90°C
Flexing: -15°C up to +90°C
Minimum Installation: -10

Standards

- UNE 211605
- IEC 60332-1
- BS EN/IEC 60502-1
- BS EN/IEC 60228
- AD8 water resistance
- HD 603

Construction

- **Conductor:** Class 5 Flexible Copper Conductor
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Outer Sheath:** Polyvinyl Chloride (PVC) Type ST2
- **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

RV-K Single Core Copper XLPE PVC Cable 1.8/3kV 50mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
RVK3KVCL51X50	50	1	2.0	1.4	124	15.5	580
RVK3KVCL51X70	70	1	2.0	1.5	140	17.5	750
RVK3KVCL51X95	95	1	2.0	1.6	152	19.0	995
RVK3KVCL51X120	120	1	2.0	1.7	172	21.5	1220
RVK3KVCL51X150	150	1	2.0	1.7	180	22.5	1460
RVK3KVCL51X185	185	1	2.0	1.8	196	24.5	1770
RVK3KVCL51X240	240	1	2.0	1.9	216	27.0	2285
RVK3KVCL51X300	300	1	2.0	2.0	240	30.0	2815
RVK3KVCL51X400	400	1	2.1	2.1	280	35.0	3650
RVK3KVCL51X400	500	1	2.2	2.2	304	38.0	5100
RVK3KVCL51X630	630	1	2.4	2.4	348	43.5	6750

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