

RZ1-K (AS) XLPE LSZH Flexible1.8/3kV Cable



Description

RZ1-K (AS) single core flexible copper power and control cable rated 1.8/3kV. Features XLPE insulation and LSZH polyolefin sheath, suitable for indoor, outdoor, and underground lighting installations with UV-resistant sheath.

Key Features



Voltage Rating
1.8/3kV



Minimum Bending Radius
6 x overall diameter



Minimum Bending Radius
5 x overall diameter ($25 \leq D \leq 50$)
6 x overall diameter ($D > 50$)



Flame Retardancy
BS EN/IEC 60332-1
BS EN/IEC 60332-3



Temperature Limits
Temperature Range: -30°C to $+60^{\circ}\text{C}$
Maximum Conductor Temperature: 90°C
Short Circuit Temperature: $+250^{\circ}\text{C}$

Standards

- UNE 211605
- UNE 21123-4
- BS EN/IEC 60228
- IEC 60502-1
- BS EN/IEC 60754-1/2
- BS EN/IEC 60332-3
- BS EN/IEC 61034
- BS EN 50618
- BS EN/IEC 60332-1

Construction

- Conductor:** Class 5 flexible stranded copper conductor
- Insulation:** Cross Linked polyethylene (XLPE)
- Outer Sheath:** Halogen Free Polyolefin (PO)
- Sheath Colour:** Green or 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

RZ1-K (AS) XLPE LSZH Flexible 1.8/3kV Cable - Dimensions

| Reference | Conductor Size (mm ²) | No Of Cores | Nominal Conductor Diameter | Sheath Thickness (mm) | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|----------------|-----------------------------------|-------------|----------------------------|-----------------------|------------------------|----------------------|---------------|
| RZ1KAS3KV1X95 | 95 | 1 | 12.0 | 1.6 | 114 | 19.0 | 995 |
| RZ1KAS3KV1X120 | 120 | 1 | 14.0 | 1.7 | 129 | 21.4 | 1220 |
| RZ1KAS3KV1X150 | 150 | 1 | 15.0 | 1.7 | 135 | 22.5 | 1500 |
| RZ1KAS3KV1X185 | 185 | 1 | 16.5 | 1.8 | 146 | 24.2 | 1800 |
| RZ1KAS3KV1X240 | 240 | 1 | 19.0 | 1.9 | 162 | 27.0 | 3320 |
| RZ1KAS3KV1X300 | 300 | 1 | 21.5 | 2.0 | 177 | 29.5 | 2865 |
| RZ1KAS3KV1X400 | 400 | 1 | 26.5 | 2.1 | 210 | 35.0 | 3660 |

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