

25/44kV Railway Power Cable - NR/PS/ELP/00008, XLPE, MDPE - 120mm to 800mm



Description Overview

Single core high voltage cable for distributing three phase AC electrical power to HV systems on electrified rail lines.

*Water blocking elements do not come as standard on this cable and must be requested on application. Water blocking components mentioned for information only.

Key Features



Voltage Rating
25/44Kv



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Temperature Range: -25°C to + 90°C
Maximum short-circuit temperature: 250°C

Core Colours

Should not be installed at temperatures below 0°C

Standards

- EN/IEC 60840
- Network Rail Specification NR/PS/ELP/00008
- IEC 60502-2
- BS EN/IEC 60228

Construction

- **Conductor:** Class 2 stranded copper
- **Conductor Screen:** Semi-Conductive material
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi-Conductive (XLPE)
- **Water Blocking:** Semi-Conductive Water Blocking Tape
- **Screen:** Copper Wires & Helical Equalising Copper Tape
- **Waterblocking Tape:** Non Conductive Water Blocking Tape
- **Outer Sheath:** Medium Density Polyethylene (MDPE) with graphite coating
- **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



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Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Rail Code
25KVXLPE1X120BK	120	1	50	3300	006/148035
25KVXLPE1X400BK	400	1	62	6400	006/148030
25KVXLPE1X630BK	630	1	68	8900	006/148024
25KVXLPE1X800BK	800	1	73.5	11220	006/148025

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