

## XHIE Cable Medium Voltage Cable 6/10 (12kV) 25mm<sup>2</sup> to 630mm<sup>2</sup>



### Description

XHIE are single-core and three-core medium voltage power cables with copper conductors. The cables feature cross-linked polyethylene (XLPE) insulation, a copper tape metallic screen, and a polyethylene (PE) outer sheath. They are manufactured in accordance with IEC 60502-2 and generally comply with HD 620 requirements. The cable designations follow Portuguese standards. These medium voltage cables are available in the following rated voltages: 3.6/6 kV, 6/10 kV, 8.7/15 kV, 12/20 kV, and 18/30 kV.

XHIE cable is designed for industrial power distribution within power stations and sub stations. It is suitable for internal or external installations in open air on cable trays, or underground in ducts or directly buried in free draining soil. The polyethylene outer sheath provides a robust barrier with high resistance to abrasion, ultraviolet radiation, and environmental exposure.

### Key Features



**Voltage Rating**  
6.35/11 (12)kV



**Minimum Bending Radius**  
15 x Overall Diameter



**Temperature Limits**  
Conductor Maximum Operating Temperature: +90°C  
Maximum Short Circuit Temperature: +250°C

### Standards

- IEC 60502-2
- BS EN/IEC 60228

### Construction

- **Conductor:** Class 2 Copper Conductor
- **Conductor Screen:** Semi conductive XLPE
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Semi conductive XLPE
- **Metallic Screen:** Individual copper tape screen
- **Outer Sheath:** Polyethylene (PE)
- **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

**XHIE Cable Medium Voltage Cable 6/10 (12kV) 25mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions**

| Reference       | Conductor Size (mm2) | No Of Cores | Minimum Bending Radius | Overall Diameter(mm) | Weight(Kg/Km) |
|-----------------|----------------------|-------------|------------------------|----------------------|---------------|
| XHIE12KVCU1X25  | 25                   | 1           | 330                    | 22.0                 | 735           |
| XHIE12KVCU3X25  | 25                   | 3           | 660                    | 44.0                 | 2725          |
| XHIE12KVCU1X35  | 35                   | 1           | 345                    | 23.0                 | 840           |
| XHIE12KVCU3X35  | 35                   | 3           | 690                    | 46.0                 | 3125          |
| XHIE12KVCU1X50  | 50                   | 1           | 375                    | 25.0                 | 990           |
| XHIE12KVCU3X50  | 50                   | 3           | 735                    | 49.0                 | 3650          |
| XHIE12KVCU1X70  | 70                   | 1           | 390                    | 26.0                 | 1220          |
| XHIE12KVCU3X70  | 70                   | 3           | 795                    | 53.0                 | 4495          |
| XHIE12KVCU1X95  | 95                   | 1           | 420                    | 28.0                 | 1510          |
| XHIE12KVCU3X95  | 95                   | 3           | 660                    | 44.0                 | 2730          |
| XHIE12KVCU1X120 | 120                  | 1           | 450                    | 30.0                 | 1770          |
| XHIE12KVCU3X120 | 120                  | 3           | 690                    | 46.0                 | 3120          |
| XHIE12KVCU1X150 | 150                  | 1           | 465                    | 31.0                 | 2050          |
| XHIE12KVCU3X150 | 150                  | 3           | 735                    | 49.0                 | 3655          |
| XHIE12KVCU1X185 | 185                  | 1           | 495                    | 33.0                 | 2420          |
| XHIE12KVCU3X185 | 185                  | 3           | 795                    | 53.0                 | 4495          |
| XHIE12KVCU1X240 | 240                  | 1           | 540                    | 36.0                 | 3010          |
| XHIE12KVCU3X240 | 240                  | 3           | 1095                   | 73.0                 | 10625         |
| XHIE12KVCU1X300 | 300                  | 1           | 570                    | 38.0                 | 3655          |
| XHIE12KVCU3X300 | 300                  | 3           | 1200                   | 80.0                 | 12900         |
| XHIE12KVCU1X400 | 400                  | 1           | 630                    | 42.0                 | 4600          |
| XHIE12KVCU3X400 | 400                  | 3           | 1290                   | 86.0                 | 16075         |
| XHIE12KVCU1X500 | 500                  | 1           | 675                    | 45.0                 | 5550          |
| XHIE12KVCU1X630 | 630                  | 1           | 720                    | 48.0                 | 7160          |

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

