

## XHIE Cable Medium Voltage Cable 3.6/6 (7.2kV) 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**  
3.6/6 (7.2kV)



**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



## XHIE Cable Medium Voltage Cable 3.6/6 (7.2kV) 25mm<sup>2</sup> to 630mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIE6KVCU1X25	25	1	300	20	660
XHIE6KVCU3X25	25	3	600	40.0	2400
XHIE6KVCU1X35	35	1	323	21.5	775
XHIE6KVCU3X35	35	3	630	42.0	2780
XHIE6KVCU1X50	50	1	345	23.0	910
XHIE6KVCU3X50	50	3	675	45.0	3280
XHIE6KVCU1X70	70	1	368	24.5	1130
XHIE6KVCU3X70	70	3	735	49.0	4100
XHIE6KVCU1X95	95	1	390	26.0	1410
XHIE6KVCU3X95	95	3	795	53.0	5020
XHIE6KVCU1X120	120	1	420	28.0	1690
XHIE6KVCU3X120	120	3	855	57.0	5925
XHIE6KVCU1X240	140	1	510	34.0	3000
XHIE6KVCU1X150	150	1	443	29.5	1945
XHIE6KVCU3X150	150	3	900	60.0	6845
XHIE6KVCU1X185	185	1	465	31.0	2320
XHIE6KVCU3X185	185	3	945	63.0	8075
XHIE6KVCU3X240	240	3	1050	70.0	6245
XHIE6KVCU1X300	300	1	563	37.5	3575
XHIE6KVCU3X300	300	3	1155	77.0	12515
XHIE6KVCU1X400	400	1	615	41.0	4525
XHIE6KVCU3X400	400	3	1275	85.0	15845
XHIE6KVCU1X500	500	1	675	45.0	5500
XHIE6KVCU1X630	630	1	720	48.0	7130

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.

