

# XHIOE Cable XHIOE Medium Voltage Power Cable 3.6/6kV (7.2kV) 25mm<sup>2</sup> – 630mm<sup>2</sup>



## Description

XHIOE are single-core and three-core medium voltage power cables with copper conductors. The cables feature cross-linked polyethylene (XLPE) insulation, a copper wire metallic screen, and a polyethylene (PE) outer sheath. They are manufactured in accordance with IEC 60502-2 and IEC 60228. 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.

XHIOE 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. This cable belongs to the same family as XHIE cables but has a copper wire screen instead of a copper tape screen. It is also available in an aluminium variation LXHIOE

## Key Features



**Voltage Rating**  
3.6/6kV



**Minimum Bending Radius**  
15 x Overall Diameter



**Temperature Limits**  
Temperature Range: -20°C to +90°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:** Copper Wire 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

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

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIOE6KV1X25	25	1	300	20	660
XHIOE6KV3X25	25	3	600	40.0	2410
XHIOE6KV1X35	35	1	323	21.5	775
XHIOE6KV3X35	35	3	675	45.0	3285
XHIOE6KV1X50	50	1	345	23.0	915
XHIOE6KV3X50	50	3	732	49.0	4100
XHIOE6KV1X70	70	1	368	24.5	1135
XHIOE6KV3X70	70	3	795	53.0	5020
XHIOE6KV1X95	95	1	390	26.0	1410
XHIOE6KV3X95	95	3	855	57.0	5935
XHIOE6KV1X120	120	1	420	28.0	1690
XHIOE6KV3X120	120	3	855	57.0	5930
XHIOE6KV1X150	150	1	435	29.0	1945
XHIOE6KV3X150	150	3	885	59.0	6850
XHIOE6KV1X185	185	1	465	31.0	2320
XHIOE6KV3X185	185	3	930	62.0	8080
XHIOE6KV1X240	240	1	510	34.0	2900
XHIOE6KV3X240	240	3	1050	70.0	10210
XHIOE6KV1X300	300	1	570	38.0	3565
XHIOE6KV3X300	300	3	1148	76.5	12520
XHIOE6KV1X400	400	1	615	41.0	4530
XHIOE6KV3X400	400	3	1275	85.0	15850
XHIOE6KV1X630	500	1	668	44.5	5510
XHIOE6KV1X500	630	1	720	48.0	7140

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