

# XHIOE Cable XHIOE Medium Voltage Power Cable 12/20kV (24kV) 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**  
12/20 (24)kV



**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 12/20kV (24kV) 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)
XHIOE15KV1X35	35	1	420	28.0	1030
XHIOE15KV3X35	35	3	840	56.0	3950
XHIOE15KV1X50	50	1	450	30	1175
XHIOE15KV3X50	50	3	885	59.0	4530
XHIOE15KV1X70	70	1	473	31.5	1430
XHIOE15KV3X70	70	3	945	63.0	5475
XHIOE15KV1X95	95	1	495	33.0	1715
XHIOE15KV3X95	95	3	1005	67.0	6495
XHIOE15KV1X120	120	1	525	35.0	2010
XHIOE15KV3X120	120	3	1065	71.0	7495
XHIOE15KV1X150	150	1	540	36.0	2285
XHIOE15KV3X150	150	3	1110	74.0	8480
XHIOE15KV1X185	185	1	563	37.5	2675
XHIOE15KV3X185	185	3	1155	77.0	9795
XHIOE15KV1X240	240	1	600	40.0	3270
XHIOE15KV3X240	240	3	1245	83.0	11950
XHIOE15KV1X300	300	1	645	43.0	3940
XHIOE15KV3X300	300	3	1335	89.0	14290
XHIOE15KV1X400	400	1	690	46.0	4895
XHIOE15KV3X400	400	3	1440	96.0	17620
XHIOE15KV1X500	500	1	750	50.0	5875
XHIOE15KV1X630	630	1	795	53.0	7540

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