XHIOE Medium Voltage Power Cable18/30kV (36kV) 50mm² – 630mm²

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 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
18/30 (36)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

XHIOE Medium Voltage Power Cable18/30kV (36kV) 50mm² – 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIOE36KV1X50	50	1	517	34.5	1450
XHIOE36KV3X50	50	3	1065	71.0	5800
XHIOE36KV1X70	70	1	540	36.0	1700
XHIOE36KV3X70	70	3	1125	75.0	6800
XHIOE36KV1X95	95	1	570	38.0	2025
XHIOE36KV3X95	95	3	1185	79.0	7995
XHIOE36KV1X120	120	1	593	39.5	2315
XHIOE36KV3X120	120	3	1245	83.0	9080
XHIOE36KV1X150	150	1	615	41.0	2615
XHIOE36KV3X150	150	3	1275	85.0	10045
XHIOE36KV1X185	185	1	630	42.0	3000
XHIOE36KV3X185	185	3	1320	88.0	11495
XHIOE36KV1X240	240	1	675	45.0	3635
XHIOE36KV3X240	240	3	1425	95.0	13650
XHIOE36KV1X300	300	1	720	48.0	4330
XHIOE36KV3X300	300	3	1500	100	16166
XHIOE36KV1X400	400	1	765	51.0	5325
XHIOE36KV3X400	400	3	1605	107.0	19675
XHIOE36KV1X500	500	1	825	55.0	6330
XHIOE36KV1X630	630	1	870	58.0	8035