XHIOE Cable XHIOE Medium Voltage Power Cable 6/10kV (12kV) 25mm² – 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
6.35/11 (12)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 Cable XHIOE Medium Voltage Power Cable 6/10kV (12kV) 25mm² – 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIOE10KV1X25	25	1	330	22.0	740
XHIOE10KV3X25	25	3	660	44.0	2725
XHIOE10KV1X35	35	1	345	23.0	845
XHIOE10KV3X35	35	3	705	47.0	3125
XHIOE10KV1X50	50	1	368	24.5	995
XHIOE10KV3X50	50	3	735	49.0	3650
XHIOE10KV1X70	70	1	390	26.0	1220
XHIOE10KV3X70	70	3	795	53.0	4490
XHIOE10KV1X95	95	1	420	28.0	1510
XHIOE10KV3X95	95	3	855	57.0	5470
XHIOE10KV1X120	120	1	450	30.0	1775
XHIOE10KV3X120	120	3	915	61.0	6410
XHIOE10KV1X150	150	1	465	31.0	2055
XHIOE10KV3X150	150	3	960	64.0	7350
XHIOE10KV1X185	185	1	495	33.0	2425
XHIOE10KV3X185	185	3	1005	67.0	8610
XHIOE10KV1X240	240	1	540	36.0	3010
XHIOE10KV3X240	240	3	1095	73.0	10630
XHIOE10KV1X300	300	1	585	39.0	3655
XHIOE10KV3X300	300	3	1193	79.5	12900
XHIOE10KV1X400	400	1	630	42.0	4600
XHIOE10KV3X400	400	3	1290	86.0	16080
XHIOE10KV1X500	500	1	675	45.0	5555
XHIOE10KV1X630	630	1	735	49.0	7170