

XHIOE Cable XHIOE Medium Voltage Power Cable 8.7/15kV (17.5kV) 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 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
8.7/15 (17.5) 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 8.7/15kV (17.5kV) 25mm² – 630mm² - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIOE15KV1X25	25	1	375	25.0	830
XHIOE15KV1X35	35	1	390	26.0	940
XHIOE15KV1X50	50	1	405	27.0	1085
XHIOE15KV1X70	70	1	435	29.0	1325
XHIOE15KV1X95	95	1	465	31.0	1600
XHIOE15KV1X120	120	1	480	32.0	1895
XHIOE15KV1X150	150	1	510	34.0	2160
XHIOE15KV1X185	185	1	540	36.0	2550
XHIOE15KV1X240	240	1	570	38.0	3145
XHIOE15KV1X300	300	1	615	41.0	3795
XHIOE15KV1X400	400	1	660	44.0	4745
XHIOE15KV1X500	500	1	705	47.0	5710
XHIOE15KV1X630	630	1	765	51.0	7340

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