XHIE Cable Medium Voltage Cable 6/10 (12kV) 25mm² to 630mm²

Description

XHIE are single-core and three-core medium voltage power cables with copper conductors. The cables feature cross-linked polyethylene (XLPE) insulation, a copper tape metallic screen, and a polyethylene (PE) outer sheath. They are manufactured in accordance with IEC 60502-2 and generally comply with HD 620 requirements. 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.

XHIE 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.

Key Features

Voltage Rating
6.35/11 (12)kV

Minimum Bending Radius
15 x Overall Diameter

Temperature Limits
Conductor Maximum Operating Temperature: +90°C
Maximum Short Circuit Temperature: +250°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**: Individual copper tape 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

XHIE Cable Medium Voltage Cable 6/10 (12kV) 25mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIE12KVCU1X25	25	1	330	22.0	735
XHIE12KVCU3X25	25	3	660	44.0	2725
XHIE12KVCU1X35	35	1	345	23.0	840
XHIE12KVCU3X35	35	3	690	46.0	3125
XHIE12KVCU1X50	50	1	375	25.0	990
XHIE12KVCU3X50	50	3	735	49.0	3650
XHIE12KVCU1X70	70	1	390	26.0	1220
XHIE12KVCU3X70	70	3	795	53.0	4495
XHIE12KVCU1X95	95	1	420	28.0	1510
XHIE12KVCU3X95	95	3	660	44.0	2730
XHIE12KVCU1X120	120	1	450	30.0	1770
XHIE12KVCU3X120	120	3	690	46.0	3120
XHIE12KVCU1X150	150	1	465	31.0	2050
XHIE12KVCU3X150	150	3	735	49.0	3655
XHIE12KVCU1X185	185	1	495	33.0	2420
XHIE12KVCU3X185	185	3	795	53.0	4495
XHIE12KVCU1X240	240	1	540	36.0	3010
XHIE12KVCU3X240	240	3	1095	73.0	10625
XHIE12KVCU1X300	300	1	570	38.0	3655
XHIE12KVCU3X300	300	3	1200	80.0	12900
XHIE12KVCU1X400	400	1	630	42.0	4600
XHIE12KVCU3X400	400	3	1290	86.0	16075
XHIE12KVCU1X500	500	1	675	45.0	5550
XHIE12KVCU1X630	630	1	720	48.0	7160