

XHIE Cable Medium Voltage Cable 12/20 (24)kV 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
12/20 (24)kV



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Conductor Maximum Operating Temperature: +90°C
Maximum Short Circuit Temperature: +250°C

Standards

- BS EN/IEC 60228
- IEC 60502-2

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

ecovadis

XHIE Cable Medium Voltage Cable 12/20 (24)kV 25mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIE24KVCU1X25	25	1	375	25.0	900
XHIE24KVCU3X25	25	3	795	53.0	3525
XHIE24KVCU1X35	35	1	405	27.0	1030
XHIE24KVCU3X35	35	3	840	56.0	3960
XHIE24KVCU1X50	50	1	435	29.0	1175
XHIE24KVCU3X50	50	3	885	59.0	4535
XHIE24KVCU1X70	70	1	465	31.0	1430
XHIE24KVCU3X70	70	3	945	63.0	5480
XHIE24KVCU1X95	95	1	495	33.0	1710
XHIE24KVCU3X95	95	3	1005	67.0	6500
XHIE24KVCU1X120	120	1	525	35.0	2010
XHIE24KVCU3X120	120	3	1065	71.0	7495
XHIE24KVCU1X150	150	1	540	36.0	2280
XHIE24KVCU3X150	150	3	1110	74.0	8485
XHIE24KVCU1X185	185	1	570	38.0	2675
XHIE24KVCU3X185	185	3	1155	77.0	9785
XHIE24KVCU1X240	240	1	600	40.0	3265
XHIE24KVCU3X240	240	3	1245	83.0	11950
XHIE24KVCU1X300	300	1	645	43.0	3895
XHIE24KVCU3X300	300	3	1335	89.0	14295
XHIE24KVCU1X400	400	1	690	46.0	4895
XHIE24KVCU3X400	400	3	1440	96.0	17625
XHIE24KVCU1X500	500	1	735	49.0	5875
XHIE24KVCU1X630	630	1	795	53.0	7535

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