XHIE Cable Medium Voltage Cable 8.7/15 (17.5kV) 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
8.7/15 (17.5) 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 8.7/15 (17.5kV) 25mm² to 630mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
XHIE15KVCU1X25	25	1	375	25.0	825
XHIE15KVCU3X25	25	3	735	49.0	3130
XHIE15KVCU1X35	35	1	390	26.0	935
XHIE15KVCU3X35	35	3	780	52.0	3545
XHIE15KVCU1X50	50	1	405	27.0	1080
XHIE15KVCU3X50	50	3	825	55.0	4145
XHIE15KVCU1X70	70	1	435	29.0	1330
XHIE15KVCU3X70	70	3	870	58.0	4975
XHIE15KVCU1X95	95	1	458	30.5	1605
XHIE15KVCU3X95	95	3	930	62.0	5965
XHIE15KVCU1X120	120	1	480	32	1895
XHIE15KVCU3X120	120	3	990	66.0	6930
XHIE15KVCU1X150	150	1	510	34	2155
XHIE15KVCU3X150	150	3	1035	69.0	7960
XHIE15KVCU1X185	185	1	540	36	2550
XHIE15KVCU3X185	185	3	1080	72.0	9180
XHIE15KVCU1X200	240	1	570	38.0	3145
XHIE15KVCU3X240	240	3	1170	78.0	11285
XHIE15KVCU1X300	300	1	615	41.0	3790
XHIE15KVCU3X300	300	3	1260	84.0	13615
XHIE15KVCU1X400	400	1	660	44.0	4735
XHIE15KVCU3X400	400	3	1365	91.0	16845
XHIE15KVCU1X500	500	1	705	47.0	5700
XHIE15KVCU1X630	630	1	765	51.0	7335