

LXHIE Cable



Description

The LXHIE and LXHIOE cable range supplied by Cleveland Cable Company, comprises medium-voltage power cables featuring Class 2 stranded aluminium conductors, designed for robust industrial power distribution. Manufactured to IEC 60502-2 and IEC 60228 standards, these cables follow Portuguese specifications.

The construction includes XLPE insulation, specialized screening (copper tape for LXHIE, copper wires for LXHIOE), and a durable PE sheath for environmental protection. They are designed for operation between -20°C and +90°C.

Engineered for reliability in power stations and substations, the PE sheath provides robust resistance to abrasion, UV radiation, and environmental stress, making them ideal for utility and heavy industrial use.

These cables are suitable for fixed installation in open-air, trays, or direct burial in free-draining soil, with a minimum bending radius of 15 x diameter. As a leading stockist, Cleveland Cable Company offers these cables for various voltage ratings (3.6/6 kV up to 18/30 kV).

Key Features



Voltage Rating

3.6/6 (7.2)kV
6.35/11 (12)kV
8.7/15 (17.5)kV
12/20 (24)kV
18/30 (36)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 Stranded Aluminium 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



LXHIE Cable - Dimensions

Reference	Conductor Size (mm ²)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Voltage
LXHIE6KV1X25	25	1	20.00	510	3.6/6kV
LXHIE12KV1X25	25	1	22.00	580	6/10kV
LXHIE17/5KV1X25	25	1	24.50	665	8.7/15kV
LXHIE6KV3X25	25	3	39.00	1930	3.6/6kV
LXHIE12KV3X25	25	3	43.00	2250	6/10kV
LXHIE17/5KV3X25	25	3	49.00	2660	8.7/15kV
LXHIE6KV1X35	35	1	21.00	560	3.6/6kV
LXHIE12KV1X35	35	1	23.00	640	6/10kV
LXHIE17/5KV1X35	35	1	25.50	720	8.7/15kV
LXHIE24KV1X35	35	1	27.50	815	12/20kV
LXHIE6KV3X35	35	3	41.50	2140	3.6/6kV
LXHIE12KV3X35	35	3	46.00	2485	6/10kV
LXHIE17/5KV3X35	35	3	51.50	2905	8.7/15kV
LXHIE24KV3X35	35	3	56.00	3315	12/20kV
LXHIE6KV1X50	50	1	22.00	620	3.6/6kV
LXHIE12KV1X50	50	1	24.50	700	6/10kV
LXHIE17/5KV1X50	50	1	26.00	780	8.7/15kV
LXHIE24KV1X50	50	1	28.50	880	12/20kV
LXHIE36KV1X50	50	1	34.00	1160	18/30kV
LXHIE6KV3X50	50	3	44.00	2400	3.6/6kV
LXHIE12KV3X50	50	3	49.00	2760	6/10kV
LXHIE17/5KV3X503	50	3	54.00	3215	8.7/15kV
LXHIE24KV3X50	50	3	58.50	3650	12/20kV
LXHIE36KV3X50	50	3	70.00	4915	18/30kV
LXHIE6KV1X70	70	1	24.00	720	3.6/6kV
LXHIE12KV1X70	70	1	26.00	800	6/10kV
LXHIE17/5KV1X70	70	1	28.50	905	8.7/15kV
LXHIE24KV1X70	70	1	30.50	1010	12/20kV
LXHIE36KV1X70	70	1	36.00	1275	18/30kV
LXHIE6KV3X70	70	3	48.00	2790	3.6/6kV
LXHIE12KV3X70	70	3	52.50	3175	6/10kV
LXHIE17/5KV3X70	70	3	58.00	3665	8.7/15kV
LXHIE24KV3X70	70	3	62.50	4140	12/20kV
LXHIE36KV3X70	70	3	74.00	5515	18/30kV
LXHIE6KV1X95	95	1	25.50	825	3.6/6kV
LXHIE12KV1X95	95	1	28.00	920	6/10kV
LXHIE17/5KV1X95	95	1	30.00	1030	8.7/15kV
LXHIE24KV1X95	95	1	32.50	1140	12/20kV

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Voltage
LXHIE36KV1X95	95	1	38.00	1435	18/30kV
LXHIE6KV3X95	95	3	52.00	3275	3.6/6kV
LXHIE12KV3X95	95	3	56.00	3720	6/10kV
LXHIE17/5KV3X95	95	3	61.00	4200	8.7/15kV
LXHIE24KV3X95	95	3	66.50	4745	12/20kV
LXHIE36KV3X95	95	3	78.00	6175	18/30kV
LXHIE6KV1X120	120	1	27.50	950	3.6/6kV
LXHIE12KV1X120	120	1	29.50	1050	6/10kV
LXHIE17/5KV1X120	120	1	32.00	1155	8.7/15kV
LXHIE24KV1X120	120	1	34.00	1285	12/20kV
LXHIE36KV1X120	120	1	39.50	1575	18/30kV
LXHIE6KV3X120	120	3	56.00	3740	3.6/6kV
LXHIE12KV3X120	120	3	60.50	4220	6/10kV
LXHIE17/5KV3X120	120	3	65.00	4730	8.7/15kV
LXHIE24KV3X120	120	3	70.50	5290	12/20kV
LXHIE36KV3X120	120	3	82.00	6860	18/30kV
LXHIE6KV1X150	150	1	29.00	1050	3.6/6kV
LXHIE12KV1X150	150	1	30.50	1160	6/10kV
LXHIE17/5KV1X150	150	1	33.50	1280	8.7/15kV
LXHIE24KV1X150	150	1	35.50	1390	12/20kV
LXHIE36KV1X150	150	1	41.00	1735	18/30kV
LXHIE6KV3X150	150	3	59.00	4180	3.6/6kV
LXHIE12KV3X150	150	3	63.00	4680	6/10kV
LXHIE17/5KV3X150	150	3	68.50	5285	8.7/15kV
LXHIE24KV3X150	150	3	73.50	5815	12/20kV
LXHIE36KV3X150	150	3	85.00	7370	18/30kV
LXHIE6KV1X185	185	1	30.50	1215	3.6/6kV
LXHIE12KV1X185	185	1	32.00	1315	6/10kV
LXHIE17/5KV1X185	185	1	35.00	1445	8.7/15kV
LXHIE24KV1X185	185	1	37.00	1570	12/20kV
LXHIE36KV1X185	185	1	42.50	1895	18/30kV
LXHIE6KV3X185	185	3	62.50	4720	3.6/6kV
LXHIE12KV3X185	185	3	67.00	5255	6/10kV
LXHIE17/5KV3X185	185	3	72.00	5840	8.7/15kV
LXHIE24KV3X185	185	3	76.50	6480	12/20kV
LXHIE36KV3X185	185	3	88.50	8165	18/30kV
LXHIE6KV1X240	240	1	33.50	1425	3.6/6kV
LXHIE12KV1X240	240	1	35.00	1535	6/10kV
LXHIE17/5KV1X240	240	1	37.50	1665	8.7/15kV

Reference	Conductor Size (mm2)	No Of Cores	Overall Diameter(mm)	Weight(Kg/Km)	Voltage
LXHIE24KV1X240	240	1	39.50	1785	12/20kV
LXHIE36KV1X240	240	1	45.00	2140	18/30kV
LXHIE6KV3X240	240	3	67.50	5760	3.6/6kV
LXHIE12KV3X240	240	3	72.00	6185	6/10kV
LXHIE17/5KV3X240	240	3	77.00	6840	8.7/15kV
LXHIE24KV3X240	240	3	82.50	7505	12/20kV
LXHIE36KV3X240	240	3	93.50	9205	18/30kV
LXHIE6KV1X300	300	1	37.00	1700	3.6/6kV
LXHIE12KV1X300	300	1	38.00	1775	6/10kV
LXHIE17/5KV1X300	300	1	40.50	1915	8.7/15kV
LXHIE24KV1X300	300	1	42.50	2055	12/20kV
LXHIE36KV1X300	300	1	48.00	2475	18/30kV
LXHIE6KV3X300	300	3	75.00	6860	3.6/6kV
LXHIE12KV3X300	300	3	79.00	7260	6/10kV
LXHIE17/5KV3X300	300	3	84.00	7965	8.7/15kV
LXHIE24KV3X300	300	3	88.50	8650	12/20kV
LXHIE36KV3X300	300	3	100.00	10535	18/30kV
LXHIE6KV1X400	400	1	40.00	2060	3.6/6kV
LXHIE12KV1X400	400	1	41.00	2120	6/10kV
LXHIE17/5KV1X400	400	1	43.00	2270	8.7/15kV
LXHIE24KV1X400	400	1	45.50	2420	12/20kV
LXHIE36KV1X400	400	1	51.00	2850	18/30kV
LXHIE6KV3X400	400	3	83.00	8400	3.6/6kV
LXHIE12KV3X400	400	3	85.00	8645	6/10kV
LXHIE17/5KV3X400	400	3	90.00	9400	8.7/15kV
LXHIE24KV3X400	400	3	94.00	10190	12/20kV
LXHIE36KV3X400	400	3	106.00	12120	18/30kV
LXHIE6KV1X500	500	1	43.50	2450	3.6/6kV
LXHIE12KV1X500	500	1	44.00	2500	6/10kV
LXHIE17/5KV1X500	500	1	46.50	2660	8.7/15kV
LXHIE24KV1X500	500	1	48.50	2840	12/20kV
LXHIE36KV1X500	500	1	54.00	3275	18/30kV
LXHIE6KV1X630	630	1	49.00	3050	3.6/6kV
LXHIE12KV1X630	630	1	49.00	3075	6/10kV
LXHIE17/5KV1X630	630	1	51.00	3240	8.7/15kV
LXHIE24KV1X630	630	1	53.00	3430	12/20kV
LXHIE36KV1X630	630	1	58.50	3930	18/30kV

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