ARE4H5EX - Compact Cable 12/20KV



Description

Italian reference medium voltage triplex screened power cable, designed for power distribution and wind generation applications. Suitable for fixed installation in open air, underground channels and protected ducts or pipes. The polyethylene outer sheath provides good suitability for outdoor and underground installation, provided adequate mechanical protection is used where required.

Key Features

Voltage Rating
12/20 (24)kV

Minimum Bending Radius
20x Overall Diameter

Temperature Limits
Minimum Installation Temperature: -25°C
Maximum Operating Temperature: +90°C
Maximum Short Circuit Temperature: +250°C

Standards

- HD 620
- IEC 60502-2
- IEC 60228

Construction

- **Conductor**: Class 2 Stranded Circular Compacted Aluminium Conductor
- **Conductor Screen**: Semi conductive XLPE
- **Insulation**: Cross Linked polyethylene (XLPE)
- **Insulation Screen**: Semi conductive XLPE
- **Water Blocking**: Semi-conductive swellable tape
- **Metallic Screen**: Aluminium tape longitudinally applied
- **Outer Sheath**: Polyethylene (MDPE) DPM 2
- **Sheath Colour**: Red

Training & Testing Lab

AN ISO/IEC 17025 ACCREDITED FACILITY

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.

ISO/IEC 17025 Accredited Testing Laboratory

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

ARE4H5EX - Compact Cable 12/20KV - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Nominal Conductor Diameter	Minimum Bending Radius	Overall Diameter(mm)	Weight(Kg/Km)
ARE4H5EX20KV3X50	50	3	8.5	550	27.5	1750
ARE4H5EX20KV3X70	70	3	9.8	570	28.5	1950
ARE4H5EX20KV3X95	95	3	11.5	600	30.0	2250
ARE4H5EX20KV3X120	120	3	13.0	640	32.0	2500
ARE4H5EX20KV3X150	150	3	14.5	660	33.0	2825
ARE4H5EX20KV3X185	185	3	16.0	700	35.0	3275
ARE4H5EX20KV3X240	240	3	18.5	740	37.0	3950
ARE4H5EX20KV3X300	300	3	21.0	820	41.0	4750

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