

MV Aerial Bundle Cable (ABC) Light/Heavy Duty Screen 6.35/11kV - 35mm² to 185mm²



Description

Aerial bundled cables (ABC) are designed for overhead power distribution, specifically for low voltage applications. They offer a higher safety level, reduced maintenance, and lower power losses compared to bare conductors. ABC cables are commonly used in rural areas or urban locations where burying cables is not feasible.

Key Features



Voltage Rating
6.35kV / 11kV (11kV)



Minimum Bending Radius
15 x Overall Diameter



Temperature Limits
Maximum operating temperature: +90°C

Standards

- BS 2627
- AS/NZS 3599-1
- IEC 60502-2
- IEC 60228

Construction

- **Phase Conductor:** Class 2 Stranded Aluminium
- **Conductor Screen:** Extruded semi-conductive screen
- **Insulation:** Cross Linked polyethylene (XLPE)
- **Insulation Screen:** Extruded semi-conductive screen
- **Metallic Screen:** Copper wires or copper tape screen
- **Waterblocking Tape:** Semi-conductive swellable tape
- **Outer Sheath:** High Density Polyethylene (HDPE)
- **Sheath Colour:** Black
- **Support Conductor:** Galvanised Steel Wires

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

MV Aerial Bundle Cable (ABC) Light/Heavy Duty Screen 6.35/11kV - 35mm² to 185mm² - Dimensions

Reference	Conductor Size (mm2)	No Of Cores	Insulation Thickness (mm)	CWS(mm)	Sheath Thickness (mm)	Overall Dimensions(mm)
1KVABCHDSCR3X35	.5	3	5.5	40/0.85	1.8	55.5
11KVABCSCR3X35	35	3	3.4	25/0.85	1.8	54.1
11KVABCSCR3X50	50	3	3.4	25/0.85	1.8	60.5
1KVABCHDSCR3X50	50	3	5.5	23/1.35	1.8	62.0
11KVABCSCR3X70	70	3	3.4	25/0.85	1.8	63.5
1KVABCHDSCR3X70	70	3	5.5	39/1.35	1.8	65.0
11KVABCSCR3X95	95	3	3.4	25/0.85	1.8	67.0
1KVABCHDSCR3X95	95	3	5.5	39/1.35	1.8	68.5
11KVABCSCR3X120	120	3	3.4	25/0.85	1.9	69.0
1KVABCHDSCR3X120	120	3	5.5	39/1.35	1.9	72.0
11KVABCSCR3X150	150	3	3.4	25/0.85	1.9	73.2
1KVABCHDSCR3X150	150	3	5.5	39/1.35	1.9	75.0
11KVABCSCR3X185	185	3	3.4	25/0.85	1.9	76.0
1KVABCHDSCR3X185	185	3	5.5	39/1.35	1.9	78.0

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