

# MV SOLAR SINGLE CORE XLPE AWA MDPE 18/30(36)kV AD7 - 50mm<sup>2</sup> to 800mm<sup>2</sup>



## Description

This is a Medium Voltage (MV) armoured power cable used to transmit high-voltage electricity. It is primarily used in renewable energy projects, such as solar parks and wind farms, to route generated power from inverters and collection stations into the wider electrical grid. This 18/30(36)kV cable features extruded inner and outer semi-conductive layers, copper tape screening, PVC bedding and aluminium wire armour for mechanical protection. The MDPE outer sheath provides durability for external installation.

Suitable for fixed installation on cable trays, within conduits, or directly buried in ducts. The cable is manufactured generally to IEC 60502-2. Outer sheath is UV resistant and water resistant to AD7.

## Key Features

## Standards

## Construction

## 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 SOLAR SINGLE CORE XLPE AWA MDPE 18/30(36)kV AD7 - 50mm<sup>2</sup> to 800mm<sup>2</sup> - Dimensions

Reference	Conductor Size (mm <sup>2</sup> )	No Of Cores	Insulation Thickness (mm)	Sheath Thickness (mm)	Overall Diameter(mm)	Weight(Kg/Km)
MVSOLARAW1X50/A D7	50	1	8	2.2	36.4	1345
MVSOLARAW1X70/A D7	70	1	8	2.2	38	1480
MVSOLARAW1X95/A D7	95	1	8	2.3	39.7	1635
MVSOLARAW1X120/ AD7	120	1	8	2.3	41.1	1785
MVSOLARAW1X150/ AD7	150	1	8	2.4	44.5	2100
MVSOLARAW1X185/ AD7	185	1	8	2.5	45.6	2250
MVSOLARAW1X240/ AD7	240	1	8	2.6	48	2540
MVSOLARAW1X300/ AD7	300	1	8	2.6	50.6	2845
MVSOLARAW1X400/ AD7	400	1	8	2.7	53.3	3275
MVSOLARAW1X500/ AD7	500	1	8	2.8	56.7	3770
MVSOLARAW1X630/ AD7	630	1	8	3	61.6	4520
MVSOLARAW1X800/ AD7	800	1	8	3.1	67	5410

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