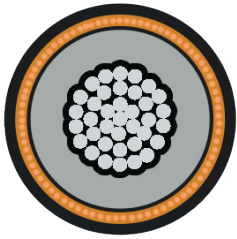




33KV SINGLE CORE MDPE RENEWABLE ENERGY CABLE



APPLICATION

Single core high voltage cable for Windfarms, Solar parks and other renewable energy applications. Suitable for power networks, underground, outdoors and installation in cable ducting. Conforms to BS 7870-4.10

CABLE STANDARDS

BS 7870-4.10
BS EN 60228
Water Resistant to AD7

CONSTRUCTION

Conductor: Stranded Aluminium Conductors
Insulation: Cross Linked Polyethylene (XLPE)
Tape: Semi-Conductive Water Blocking Tape
Metallic Screen: Copper Wire Screen
and open helix tape
Water Blocking Layer: Water Blocking Tape
Separator: Copper Tape (O.H), Non-Conductive
Water Blocking Tape
Sheath: Medium Density Polyethylene (MDPE)
Sheath Colour: **Black**

CHARACTERISTICS

Voltage Rating: U_0/U 19KV / 33KV
Maximum Voltage: 36KV
Test Voltage: 75KV
Partial Discharge: Level with voltage $2U_0$
KV max. 5pC

Temperature Limits:
Maximum perm conductor temp 90°C
Maximum perm operating temp 130°C
Short Circuit temp 250°C
Minimum Bending Radius: 20 X Overall Diameter

Should not be installed at temperatures below 0°C

For more information contact:
01642 241 133



33KV SINGLE CORE MDPE RENEWABLE ENERGY CABLE - DIMENSIONS

CCC CODE	CONDUCTOR SIZE	STRANDING (MM)	NUMBER OF CORES	WEIGHT (KG/KM)	NOMINAL OVERALL DIAMETER
33KV1X70AL	70	19/2.1	1	1339	36.7
33KV1X95AL	95	19/2.47	1	1467	38.4
33KV1X120AL	120	35/2.04	1	1584	39.8
33KV1X150AL	150	35/2.27	1	1720	41.3
33KV1X185AL	185	35/2.54	1	1881	43
33KV1X240AL	240	35/2.91	1	2130	45.5
33KV1X300AL	300	35/3.25	1	2415	49.0
33KV1X400AL	400	56/2.91	1	2781	51.7
33KV1X500AL	500	56/3.3	1	3146	54.3
33KV1X630AL	630	56/3.75	1	3675	58.9
33KV1X800AL	800	56/4.21	1	4720	66.0

THE INFORMATION CONTAINED WITHIN THIS DATASHEET IS FOR GUIDANCE ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE OR LIABILITY. WE BELIEVE THE INFORMATION IS CORRECT AT THE TIME OF PUBLICATION. PLEASE NOTE WHEN SELECTING CABLE ACCESSORIES THAT ACTUAL CABLE DIMENSIONS MAY VARY DUE TO MANUFACTURING TOLERANCES.

For more information contact:
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