



Single Core Aluminium Conductor EBXL-XLPE 120°C Insulated, XLPVC 120°C Sheathed (UA) Solar Cable



Specification of Single Core Aluminium Conductor

Applications:

Transmission and distribution of Power in PV Solar segment Indoor and outdoor uses Cable ducts, cable trays and conduits Direct Burial.

Construction:

Conductor : Aluminium conductor complying with IEC - 60228
Insulation : EBXL-XLPE 120°C
Jacket : XLPVC 120°C (Black)

Features:

Electron Beam Cross Linked. Does not melt or drip Enhanced Mechanical, Electrical, Thermal & Weathering properties.
Flame retardant
Excellent UV and Ozone resistant.
Specially designed for PV Power cable segment Extra UV & 120°C Continuous rating

Technical Data:

Operating Temperature : -15°C to +120°C
High Insulation resistance at elevated temperature Short Circuit Temperature 280°C
Bending radius (min) : 9 x Cable dia
Test Voltage . 3 kV for 5 mins.



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Part Number	Number Of Cores And Mm2 Per Conductor	Outer Diameter in mm approx.	Aluminium Weight Kg/Km (Nom.)	Weight Kg/Km approx.
690 28 XX	1C X 16	10.0	42	102
690 30 XX	1C X 25	11.5	66	162
690 32 XX	1C X 35	12.6	92	200
690 34 XX	1C X 50	14.2	132	259
690 37 XX	1C X 70	16.0	185	334
690 38 XX	1C X 95	18.0	251	428
690 41 XX	1C X 120	19.7	321	520
690 42 XX	1C X 150	21.8	401	641
690 44 XX	1C X 185	24.0	495	773
690 46 XX	1C X 240	26.8	642	971
690 48 XX	1C X 300	30.0	802	1193
690 49 XX	1C X 400	33.6	1070	1538
690 50 XX	1C X 500	37.2	1338	1891
690 51 XX	1C X 630	41.5	1685	2358

Please replace XX in the part number as per the colour code given hereunder.

Red - 01	Yellow - 02	Blue - 033	Black - 04	Green - 05	Yellow - Green - 06	Grey - 07
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