

## Single Core Copper Conductor EBXL-XLPE 120°C Insulated, HR PVC Sheathed, (UA) Power Cable as per IEC 60502-1

### Applications

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

### 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

Specially for PV Solar application with 30 years UV protection

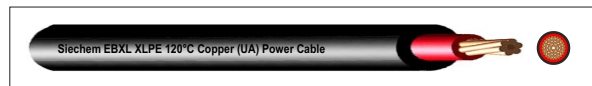
### Construction:

Conductor : Annealed Plain Copper conductor complying with IEC - 60228  
Insulation : Electron Beam Cross Linked Polyethylene 120°C  
Jacket : HR PVC (Black) & UV Resistant

### Technical Data

Operating Temperature : -15°C to +120°C  
High Insulation resistance at elevated temperature  
Short Circuit Temperature : 250°C  
Bending radius (min) : 12 x Cable dia  
Test Voltage : 3.5 kV for 5 mins.

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV 
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Singlecore EBXL XLPE 120°C Power Cable

Part Number	No. of Cores and Cross Section Area (sq.mm)	Outer Diameter (mm) approx.	Max.DC Conductor Resistance at 20°C (Ω/Km)	Weight (Kg/Km) approx.
A912S28XX04	1C x 16	9.5	1.15	205
A912S30XX04	1C x 25	11.0	0.727	300
A912S32XX04	1C x 35	12.0	0.524	395
A912S34XX04	1C x 50	13.5	0.387	535
A912S37XX04	1C x 70	15.5	0.268	725
A912S38XX04	1C x 95	17.7	0.193	980
A912S41XX04	1C x 120	19.5	0.153	1210
A912S42XX04	1C x 150	21.5	0.124	1505
A912S44XX04	1C x 185	23.8	0.0991	1840
A912S46XX04	1C x 240	26.6	0.0754	2380
A912S48XX04	1C x 300	29.6	0.0601	2940
A912S49XX04	1C x 400	33.5	0.0470	3885
A912S50XX04	1C x500	37.2	0.0366	4820
A912S51XX04	1C x630	42.0	0.0283	6050

Note : XX\* : Please add last two digits in the part number as per the colour code given hereunder replacing XX while ordering.  
Red - 01 & Black - 04

