

## Siechem Annealed Tinned Flexible Copper Conductor, EBXL XLPO Insulated, Nylon Inner Sheathed and EBXL XLPO Outer Sheathed Single Core Solar PV Cable (Anti-Rodent & Anti-Termite Properties)

### Application

- ✓ Used in Photovoltaic Power Supply systems Indoor & Outdoors
- ✓ Applicable for Installation in Cable trays, Conduits and in wall as well as for direct burial

### Product Construction

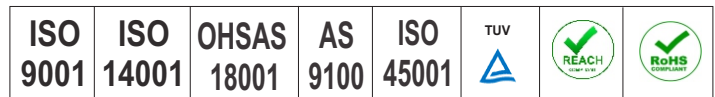
- ✓ Conductor : Annealed Tinned Flexible Copper Conductor (APC Optional)
- ✓ Insulation : EBXL - XLPO (Low Smoke Halogen free)
- ✓ Core Colour : Red
- ✓ Outer Sheath : EBXL - XLPO with Anti-Rodent & Anti-Termite Properties
- ✓ Sheath Colour : Black with Red stripe

### Technical Data

- ✓ Rated Voltage : 1.0/1.0kV AC, 1.5kV DC
- ✓ Max. Permitted Operating Voltage : 1.8kV DC
- ✓ Temperature Range : - 40 °C to +120 °C
- ✓ Max. Continuous Working Temp : 120° C (20,000h)
- ✓ Max. Conductor Temperature at Rated Current : 90°C
- ✓ Permitted Short Circuit Temperature : 250° C for 5 Sec
- ✓ AC Test Voltage : 6.5 kV, 50Hz for 5 minutes
- ✓ Specification : Generally as per EN 50618
- ✓ Min. Bending Radius : 5 X Cable OD

### Features

- ✓ Resistance against UV, Water, Ozone, Fluids, Oil, Salt & General Weathering
- ✓ Electron Beam Cross Linked Halogen free, Flame Retardant, Low Smoke Emission Fire Retardant to meet IEC 607541-1/ EN 50268-2 RoHS Compliant as per EU norms.
- ✓ Voltage Resistance Test complies as per EN 50395
- ✓ Resistant to Anti-Rodent and Anti-Termite attacks



Part Number	No. of Core x Nominal Cross Sectional Area	Strand Dia. (Max.)	Thickness of Insulation (Nom)	Thickness of Outer Sheath (Nom)	Overall Diameter of Cable (Nom.)	DC Conductor Resistance at 20°C (Max)	Approx Cable Weight	Current Rating for Two Loaded Cables Touching on Surfaces
	No. X Sq.mm	mm	mm	mm	mm	Ω/km	kg/km	Amps
A518130139	1 X 1.5	0.26	0.7	0.8	5.5	13.7	46	24
A518160139	1 X 2.5	0.26	0.7	0.8	5.9	8.21	58	33
A518190139	1 X 4	0.31	0.7	0.8	6.5	5.09	74	44
A518230139	1 X 6	0.31	0.7	0.8	7.0	3.39	94	57
A518270139	1 X 10	0.41	0.7	0.8	8.0	1.95	135	79
A518280139	1 X 16	0.41	0.7	0.9	9.3	1.24	200	107
A518300139	1 X 25	0.41	0.9	1.0	11.3	0.795	305	142
A518320139	1 X 35	0.41	0.9	1.1	12.6	0.565	405	176
A518340139	1 X 50	0.41	1.0	1.2	14.8	0.393	555	221
A518370139	1 X 70	0.51	1.1	1.2	16.8	0.277	740	278
A518380139	1 X 95	0.51	1.1	1.3	18.8	0.210	965	333
A518410139	1 X 120	0.51	1.2	1.3	20.3	0.164	1190	390
A518420139	1 X 150	0.51	1.4	1.4	22.7	0.132	1480	453
A518440139	1 X 185	0.51	1.6	1.6	25.2	0.108	1850	515
A518460139	1 X 240	0.51	1.7	1.7	27.8	0.0817	2350	620



### Siechem Wires & Cables Meet EU RoHS Directive

Lead Free	Hg Free	Cd Free	Cr <sup>6+</sup> Free	PBB Free	PBDE Free
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