

Single Core Aluminium Conductor Electron Beam Cross Linked Solar Cable with Nylon Jacket Constructed as per TUV & AS/NZS 5000.1 Specification

Construction

- Conductor : Aluminium Stranded Conductor according to IEC 60228
- Insulation : EBXL - XLPE 120°C (Colour Red or Black) Other colours as per customer order
- Sheath : EBXL - XLPO (Colour Black, Black with Red strip)
- *Jacket 1 : Nylon -12 (Black)
- *Jacket 2 : Sacrificial PVC (UV Resistant) -Black(Optional)

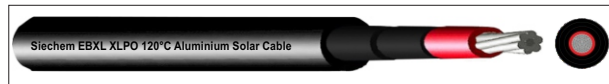
Specification

Siechem Single & Multicore and Screened Solar Cables Constructed as per Spec. 2Pfg 1169/08.2007 & AS/NZS 5000.1

Features

- Water Resistant & Rodent Resistant
- Resistance against UV, Water, Ozone, Fluids, Oil, Salt & General Weathering.
- Electron Beam Cross Linked
- Used for direct burial
- Halogen Free, Flame Retardant, Low Smoke Emission
- Fire retardant to meet IEC 607541-1/EN 50268-2
- RoHS compliant as per EU norms
- Max.Temp. at Conductor : 120°C (20,000h)
- Test Voltage : 6500V AC for 5 minutes
- Voltage Resistance Test : EN 50395
- Rated Voltage : 600/1000 V AC, 1800 V DC
- Max.Short Circuit Temp : +280°C

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV	REACH	ROHS
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Singlecore Solar Cable

Part Number	Cross Section Area	Cond. Min. No. of Wires	Cable Diameter (nom.)	Max. DC Conductor Resistance at 20°C	Cable Weight (nom.)	Current Rating In Air at 40°C
	Sq.mm	Nos.	mm	Ω/km	Kg/Km	Amps
A30228XXYY	16	6	13.1	1.91	209	09
A30230XXYY	25	6	15.5	1.20	290	143
A30232XXYY	35	6	16.5	0.868	338	178
A30234XXYY	50	6	18.7	0.641	444	217
A30237XXYY	70	12	20.3	0.443	533	281
A30238XXYY	95	15	23.4	0.320	703	342
A30241XXYY	120	15	24.9	0.253	810	399
A30242XXYY	150	15	27.4	0.206	979	460
A30244XXYY	185	30	30.0	0.164	1175	529
A30246XXYY	240	30	33.4	0.125	1458	627
A30248XXYY	300	30	36.4	0.100	1752	725
A30249XXYY	400	53	40.6	0.0778	2211	875

Note : Insulations colour (XX) - Please add two digits in the part number as per the colour code given hereunder replacing XX while ordering Red - 01 & Black - 04
 Sheath Colour (YY) please add two digits in the part number as per the colour code given hereunder replacing YY while ordering Black - 04 & Black with Red Stripe - 39
 *Nylon jacket & sacrificial PVC are not part of TUV specification

