

Single Core Copper Conductor Electron Beam Cross Linked Solar Cable as per EN 50618 Specification

Construction

Conductor : Annealed Tinned Copper (APC Optional) according to IEC 60228, Class 5 or as per customer order
 Insulation : EBXL - XLPO 120°C (Colour White, Red & Black) Other colours as per customer order
 Jacket : EBXL- XLPO Highly Weather & UV Resistant (Colour Black, Blue, Red, Brown, Grey, Black with Red stripe)

Type of Solar cables

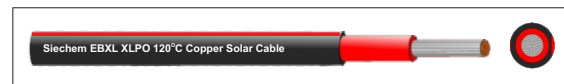
Siechem Single & Multicore Solar Cables meets specification EN 50618
 Siechem Single & Multicore Solar Cables meets specification UL 4703
 Siechem Single & Multicore Solar Cables to meet both TUV & UL specification

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
 Max. Temp. at Conductor : 120°C (20,000h)
 Test Voltage : 6500V AC for 5 minutes
 Voltage Resistance Test : EN 50395
 Rated Voltage : 1.0/1.0kV AC, 1.5kV DC
 Short Circuit Temp : +280°C

Siechem Solar Cable Range

Single Core : 1.5 to 400sq.mm or its equivalent size in AWG



Singlecore Solar Cable

Part Number	Cross Section Area	Nominal Insulation Thickness	Nominal Sheath Thickness	Cable Diameter (Max.)	Max. DC Conductor Resistance at 20°C	Cable Weight (Nom.)	Current Rating for Two Loaded Cables Touching on Surfaces
	Sq.mm	mm	mm	mm	Ω/km	Kg/Km	Amps
A47613XXYY	1.5	0.7	0.8	5.4	13.7	37	24
A47616XXYY	2.5	0.7	0.8	5.9	8.21	48	33
A47619XXYY	4	0.7	0.8	6.6	5.09	63	44
A47623XXYY	6	0.7	0.8	7.4	3.39	82	57
A47627XXYY	10	0.7	0.8	8.8	1.95	125	79
A47628XXYY	16	0.7	0.9	10.1	1.24	181	107
A47630XXYY	25	0.9	1.0	12.5	0.795	274	142
A47632XXYY	35	0.9	1.1	14.0	0.565	368	176
A47634XXYY	50	1.0	1.2	16.3	0.393	511	221
A47637XXYY	70	1.1	1.2	18.7	0.277	690	278
A47638XXYY	95	1.1	1.3	20.8	0.210	908	333
A47641XXYY	120	1.2	1.3	22.8	0.164	1127	390
A47642XXYY	150	1.4	1.4	25.5	0.132	1406	453
A47644XXYY	185	1.6	1.6	28.5	0.108	1741	515
A47646XXYY	240	1.7	1.7	32.1	0.0817	2227	620
A47648XXYY	300	2.4	2.4	32.6	0.0654	2925	714
A47649XXYY	400	2.6	2.6	36.8	0.0495	3800	795

*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, White - 09
 Sheath Colour (YY) please add two digits in the part number as per the colour code given hereunder replacing YY while ordering
 Red - 01, Blue - 03, Black - 04, Brown - 08, Grey - 07, Black / Red - 39*