

**Single Core Copper Conductor Electron Beam Cross Linked Solar Cable as per TUV & UL Specification****Construction:**

Conductor : Annealed Tinned Copper (APC Optional) according to IEC 60228, Class 5 or as per customer order
 Insulation : XLPO 120°C (Colour Red & Black). Other colours as per customer order
 Jacket : XLPO Highly weather & UV Resistant (Colour Black or Black with Red strip)

Type of Solar cables:

TUV : Siechem Single & Multi Core and Screened Solar cables meets specn.2Pfg 1169/08.2007
 UL : Siechem Single & Multicore and Screened Solar cables meets UL 4703
 Dual : Siechem Single & Multicore and Screened cables to meet both TUV & UL specn.

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
 Voltage Resistance Test : EN 50395
 Rated Voltage : 600/1000 V AC, 1800 V DC
 Short Circuit Temp : +280°C

Siechem Solar Cable Range:

Single Core : 1.5 to 400sq.mm or its equivalent size in AWG
 Multi Core : 2 to 4 cores x 1.5 to 70 sq.mm or its equivalent size in AWG
 Multi Core (EMC) : Up to 61 core screened cables (data sheet against specific request for EMC cables)

ISO 9001	ISO 14001	ISO 45001	AS 9100

Singlecore Solar Cable

Part Number	Cross Section (nom.)	Max. diameter of wires in Conductor Design	Conductor (ATC) DC res at 20°C (max.)	Cable Diameter (nom.)	Copper Weight (nom.)	Cable Weight (nom.)	Current Rating Two Cables adjacent on Surfaces
	Sq.mm	mm	ohm/km	mm	Kg/Km	Kg/Km	Amps
64913XX *	1.5	0.26	13.7	4.5	13.0	32.0	24
64916XX	2.5	0.26	8.21	5.0	21.0	43.0	33
64919XX	4	0.31	5.09	5.5	33.6	60.0	44
64923XX	6	0.31	3.39	6.5	51.6	87.0	57
64927XX	10	0.41	1.95	7.8	85.5	134.0	79
64928XX	16	0.41	1.24	9.3	140.6	206.0	107
64930XX	25	0.41	0.795	11.8	218.6	325.0	142
64932XX	35	0.41	0.565	13.0	307.7	429.0	176
64934XX	50	0.41	0.393	15.3	427.5	593.0	208
64937XX	70	0.51	0.277	17.1	608.0	797.0	255
64938XX	95	0.51	0.210	19.7	802.3	1056.0	306
64941XX	120	0.51	0.164	21.5	1027.0	1312.0	346
64942XX	150	0.51	0.132	24.0	1276.8	1629.0	390
64944XX	185	0.51	0.108	26.6	1561.8	2000.0	436
64946XX	240	0.51	0.0817	30.0	2061.5	2605.0	507
64948XX	300	0.51	0.0654	31.7	2621.0	3238.0	571
64949XX	400	0.51	0.0495	37.4	3485.0	4282.0	649

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



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