



Multi 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, Yellow, Blue, Black & Green)
 Jacket : XLPO Highly weather & UV Resistant (Colour Black)

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

Multicore 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	
				2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	2 Core	3 Core	4 Core	2 Core	3 & 4 Core
	Sq.mm	mm	ohm/km	mm			Kg/Km			Kg/Km			Amps	
65013XX*	1.5	0.26	13.7	8.4	9.1	9.9	26.5	39.8	53.0	93.0	116.0	141.0	24.0	21.0
65016XX	2.5	0.26	8.21	9.3	10.1	11.2	42.8	64.2	85.6	122.0	154.0	194.0	33.0	29.0
65019XX	4	0.31	5.09	10.8	11.9	13.1	68.5	103.0	137.0	172.0	225.0	282.0	44.0	39.0
65023XX	6	0.31	3.39	12.4	14.0	15.4	105.0	158.0	211.0	237.0	323.0	396.0	57.0	50.0
65027XX	10	0.41	1.95	15.4	16.8	19.0	174.0	262.0	349.0	378.0	492.0	636.0	79.0	69.0
65028XX	16	0.41	1.24	18.8	20.0	22.3	287.0	430.0	574.0	584.0	745.0	951.0	107.0	94.0
65030XX	25	0.41	0.795	23.0	24.5	27.1	446.0	669.0	892.0	883.0	1131.0	1432.0	142.0	124.0
65032XX	35	0.41	0.565	25.4	27.1	30.0	628.0	942.0	1255.0	1140.0	1479.0	1880.0	176.0	154.0
65034XX	50	0.41	0.393	29.3	31.2	34.6	872.0	1308.0	1744.0	1532.0	1996.0	2544.0	208.0	182.0
65037XX	70	0.51	0.277	32.8	35.5	39.3	1240.0	1861.0	2481.0	2033.0	2707.0	3457.0	255.0	223.0

Note : XX* : To identify the number of cores in the cables, replace XX by 02 - for 2 Core Cable, 03 - for 3 Core Cable & 04 - for 4 Core Cable.

