

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 : 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 strip)

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 : 600/1000 V AC, 1800 V DC
 Short Circuit Temp : +280°C

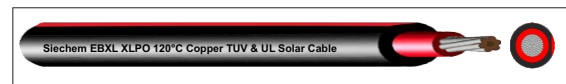
Type of Solar cables

TUV : Siechem Single & Multi Core and Screened Solar cables meets spec. 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 spec.

Siechem Solar Cable Range

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

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

Part Number	Cross Section Area	Wire Diameter (Max.)	Cable Diameter (nom.)	Max. DC Conductor Resistance at 20°C	Cable Weight (nom.)	Current Rating Two Cables adjacent on Surfaces
	Sq.mm	mm	mm	Ω/km	Kg/Km	Amps
64913XXYY	1.5	0.26	4.5	13.7	32.0	24
64916XXYY	2.5	0.26	5.0	8.21	43.0	33
64919XXYY	4	0.31	5.5	5.09	57.0	44
64923XXYY	6	0.31	6.5	3.39	80.0	57
64927XXYY	10	0.41	7.8	1.95	125.0	79
64928XXYY	16	0.41	9.3	1.24	180.0	107
64930XXYY	25	0.41	11.8	0.795	285.0	142
64932XXYY	35	0.41	13.0	0.565	375.0	176
64934XXYY	50	0.41	15.3	0.393	530.0	221
64937XXYY	70	0.51	17.1	0.277	705.0	278
64938XXYY	95	0.51	19.7	0.210	950.0	333
64941XXYY	120	0.51	21.5	0.164	1165.0	390
64942XXYY	150	0.51	24.0	0.132	1460.0	453
64944XXYY	185	0.51	26.6	0.108	1800.0	515
64946XXYY	240	0.51	30.0	0.0817	2360.0	620
64948XXYY	300	0.51	31.7	0.0654	2925.0	714
64949XXYY	400	0.51	34.0	0.0495	3800.0	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*