

Single Core Copper Conductor Electron Beam Cross Linked Solar Cable as per TUV, EN 50618 & 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, 1.5 kV DC
 Short Circuit Temp : +280°C

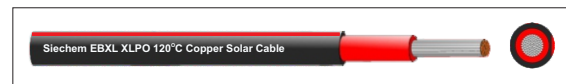
Type of Solar cables

TUV : Siechem Single & Multi Core and Screened Solar cables meets spec. 2Pfg 1169/08.2007 & EN 50618
 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 | TUV  |  |  |
|-----------------|------------------|--------------------|--|---|---|



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 | 6.0 | 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 | 290.0 | 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*

