

Single Core Anti-Rodent GI Wire Braided Flexible Copper Conductor Electron Beam Irradiated Solar DC Cable Generally as per EN 50618

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

Inner Sheath: EBXL - XLPO 120°C (UV Resistant)

Braiding : GI Wire

Outer Sheath: EBXL - XLPO 120° C 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 EN & UL specification

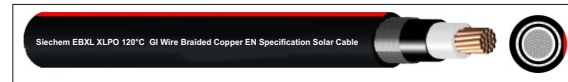
Features

Anti-Termite and Anti-Rodent Properties
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 240sq.mm or its equivalent size in AWG

ISO 9001	ISO 14001	OHSAS 18001	AS 9100	ISO 45001	TUV 		
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Singlecore GI Wire Braided Anti-Rodent Solar DC Cables

Part Number	Cross Section Area	Nominal Insulation Thickness	Nominal Inner Sheath Thickness	Braiding Wire Dia (Nom)	Nominal Outer Sheath Thickness	Cable Diameter (Nom)	Max. DC Conductor Resistance at 20°C	Cable Weight (Nom)	Current Rating for Two Loaded Cables Touching on Surfaces
	Sq.mm	mm	mm	mm	mm	mm	Ω/km	Kg/Km	Amps
B56713XXYY	1.5	0.7	0.8	0.3	1.4	9.5 ± 0.9	13.7	145	24
B56716XXYY	2.5	0.7	0.8	0.3	1.4	10.0 ± 1.0	8.21	160	33
B56719XXYY	4	0.7	0.8	0.3	1.4	11.0 ± 1.1	5.09	195	44
B56723XXYY	6	0.7	0.8	0.3	1.4	11.5 ± 1.2	3.39	225	57
B56727XXYY	10	0.7	0.8	0.3	1.4	12.5 ± 1.3	1.95	280	79
B56728XXYY	16	0.7	0.9	0.3	1.4	14.0 ± 1.4	1.24	360	107
B56730XXYY	25	0.9	1.0	0.3	1.5	15.5 ± 1.6	0.795	485	142
B56732XXYY	35	0.9	1.1	0.3	1.5	16.5 ± 1.7	0.565	600	176
B56734XXYY	50	1.0	1.2	0.3	1.6	18.5 ± 1.9	0.393	785	221
B56737XXYY	70	1.1	1.2	0.3	1.6	20.5 ± 2.1	0.277	995	278
B56738XXYY	95	1.1	1.3	0.3	1.6	22.0 ± 2.2	0.210	1240	333
B56741XXYY	120	1.2	1.3	0.3	1.7	24.0 ± 2.4	0.164	1500	390
B56742XXYY	150	1.4	1.4	0.3	1.8	26.0 ± 2.6	0.132	1830	453
B56744XXYY	185	1.6	1.6	0.3	1.8	29.0 ± 2.9	0.108	2235	515
B56746XXYY	240	1.7	1.7	0.3	1.8	31.5 ± 3.2	0.0817	2770	620

*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*