

Assembled Solar Cables

XC – C4B-1M / 10M / 20M

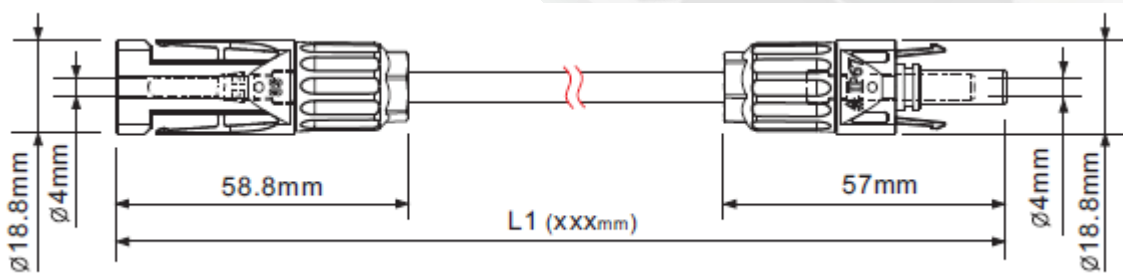


MAIN SPECIALITY

All the connection made by double fixed connection, low power loss.

With the capacity of anti-aging and resistance to ultraviolet radiation on the outer cover. with convenient installation, strong commonality- To meet the using requirement under bad outdoor condition.

CONDUCTOR CROSS SECTION



Ordering code: **XCC4B1M** (length 1 m.)
XCC4B10M (length 10 m.)
XCC4B20M (length 20 m.)

Caribbean Power SVG LTD

Representative Office

3 Quality Power

Isla Colon Bocas del Toro Panama

(+507) 68831743 VHF (68) [www. 3qualitypower.wordpress.com](http://www.3qualitypower.wordpress.com) 3qualitypower@gmail.com



Cable Connectors

XC-C4B-MC4 (male + female)



TECHNICAL DATA

Product Features:

- | | |
|-----------------------------|---------------------|
| • Insulation material | PPO |
| • Contact Material | Copper, Tin plated |
| • Suitable Current | 30A |
| • Rated Voltage | 1000V(TUV) 600V(UL) |
| • Test Voltage | 8KV(TUV50HZ,1min.) |
| • Contact Resistance | <0.5 m |
| • Degree of Protection | IP67 |
| • Ambient temperature range | -40C° - +85C° |
| • Flame class | UL94 – VO |
| • Safety class | II |
| • Pin dimensions | diameter 4mm. |

Ordering code: **XCC4BMC4**

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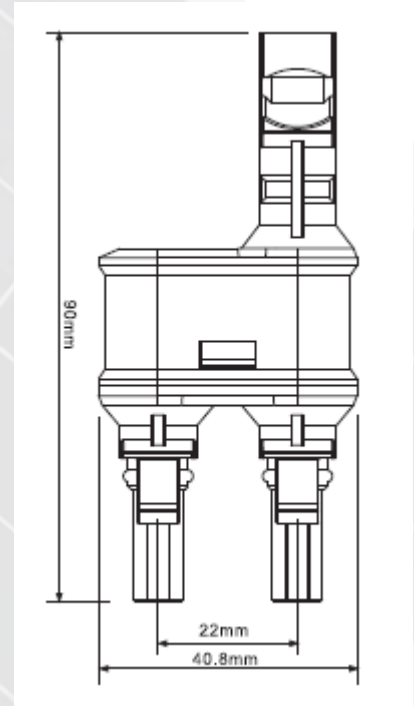
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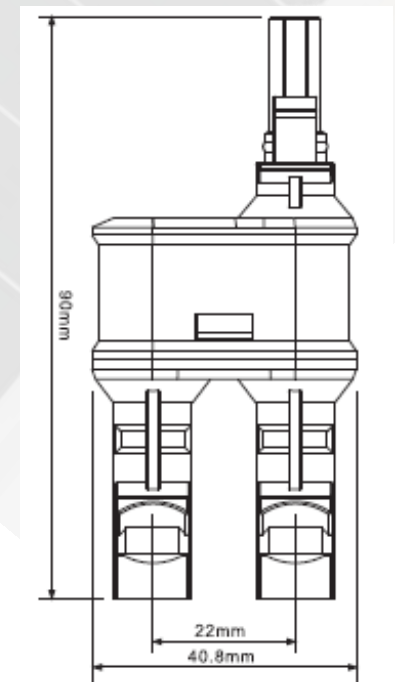


Branch Plug

XC-B4A



XC-B4B



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Ordering code XC-B4A + XC-B4B : **XCB4AB4B**

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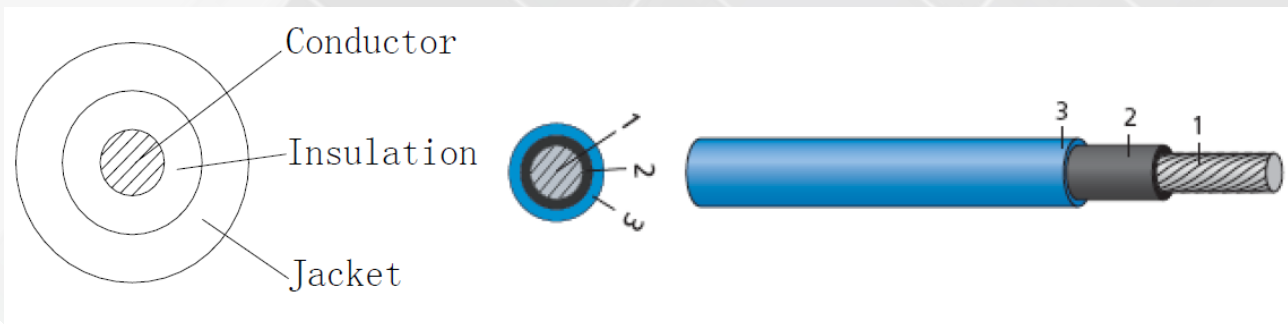
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Solar Cables

XC – PV4-XX



MAIN SPECIALITY

- Insulation material : XLPE
- Double insulation jackets, all-weather adaptability, resistance to UV, oil, fat, oxygen and ozone
- Halogen-free, inflaming retarding, low toxic material
- Good abrasion resistance, excellent softness and stripping performance
- High current carrying capacity

CONSTRUCTION AND PROPERTIES

Length 10 m.

Length 20m.

Standard colors Black

1. Conductor - Soft annealed stranded tin-plated copper
2. Insulation - Electron beam cross-linked material
3. Jacket - Electron beam cross-linked material

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Type	Cross section	Strand design	Conductor diameter	Outer diameter	Conductor resistance	Rated voltage	Rated current
	mm ²	No.x (mm)	mm	mm	Ω/Km	VAC/DC	A
PV- 1x4.0 mm ²	4.0	56x 0.30	2.59	6.20	5.09	1000/1800	50A

Area. mm ²	Free in air	On surface without opposite contact	On surface without opposite contact
4	55	52	44

Electrical Characteristics		
Rated voltage	kv/min	AC 0.6/1.0 kV
Minimum permissible temperat.	°C	-40°C (stationary and in motion)
Maximum permissible.	°C	+120°C
Short-circuit temperature	°C	+200°C at the conductor max. 5 sec.
Ampacity	A	According to DIN VDE 0298

Mechanical Characteristics		
Test Object	Insulation	
Before Aging	Tensile Strength (N/mm ²)	≥6.5
	Elongation (%)	≥125
After Aging (150±1°C X168 hrs)	Tensile Strength (N/mm ²)	≤-30% of original
	Elongation	≤30% of original
Test Object	Jacket	
Before Aging	Tensile Strength (N/mm ²)	≥8.0
	Elongation	≥125
After Aging (150±1°C X168 hrs)	Tensile Strength	≤-30% of original
	Elongation	≤-30% of original
Flame retardant	According to IEC/EN 60332-1	

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Highly heat resistant:

-40°C ... +90°C (> 150.000 hours) -40°C ... +90°C (> 150.000
-40°C ... +105°C (> 70.000 hours) -40°C ... +105°C (> 70.000
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-40°C ... +120°C (> 20.000 hours) -40°C ... +120°C (> 20.000

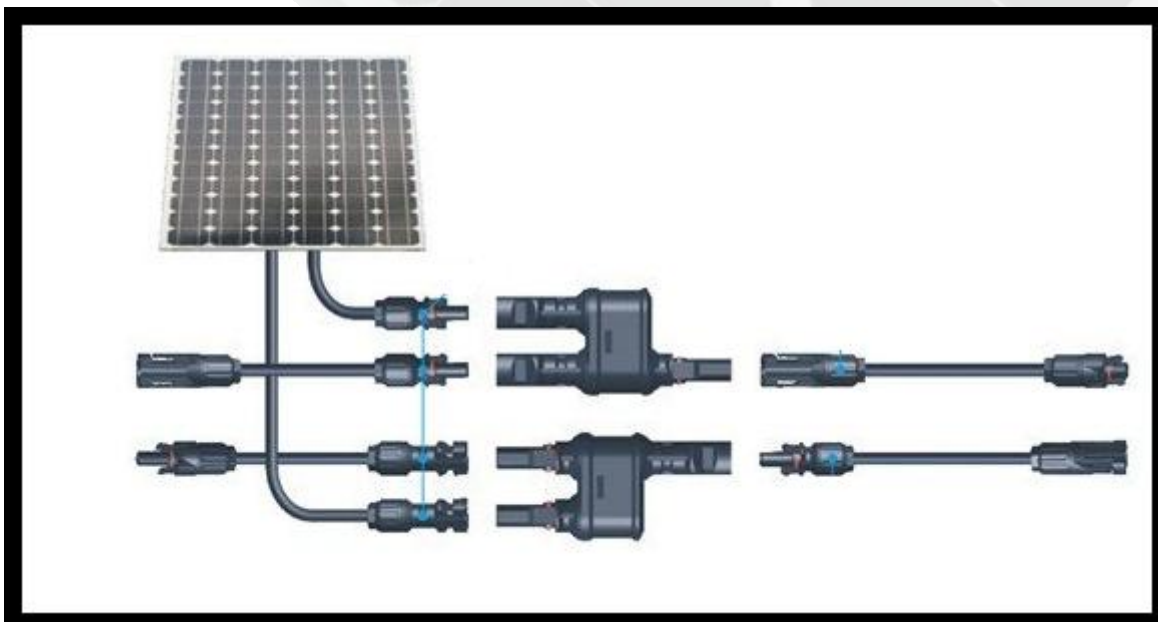


Ordering code:

XCPV41 Length = 1 m

XCPV410 Length = 10 m

XCPV420 Length = 20 m



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