



POPULAR PRODUCTS FOR SOLAR PV

ALWAYS PUTS SAFETY FIRST!

MORE SAFE, MORE SMART ENERGY
SOLUTIONS

2022



Popular Products for Solar PV



DC SOLAR CABLE UL 4703 IEC 62930 EN 50618

ELECTRON BEAM CROSS-LINKED

PV DC STRING CABLE - SINGLE CORE

PV DC string cable - single core EN/IEC+UL					
Part No	Conductor Size (mm ²)	Conductor Stranding (mm ²)	Outer Diameter (mm)	Voltage Rating (V)	Conductor DC Resistance (Ω)
6351D	2.5mm ² /14AWG	5.94±0.1 mm	47/0.25	1000	≤8.21mΩ/m
6352D	4mm ² /12AWG	6.35±0.2 mm	52/0.30	1000	≤ 5.09 Ω/km
6352DB	4mm ² /12AWG	6.35±0.2mm	56/0.30	1000	≤ 5.09 Ω/km
6353D	6mm ² /10AWG	6.97±0.2 mm	78/0.30	1000	≤3.39mΩ/m
6354D	10mm ² /8AWG	8.57±0.3 mm	77/0.40	1000	≤1.95mΩ/m



SOLAR CONNECTOR

STÄUBLI

GENUINE MC4 CONNECTOR SYSTEM



PV-KBT4 Range			
Female (socket) Cable Coupler	Conductor size (mm ²)	Cable OD clamping range (mm)	Current rating (A)
32.0010P0001	2.5	5.0-6.0	22.5
32.0014P0001	4-6	5.0-6.0	39
32.0016P0001	4-6	5.9-8.8	39
32.0034P0001	10	5.9-8.8	45



PV-KST4 Range			
Male (socket) Cable Coupler	Conductor size (mm ²)	Cable OD clamping range (mm)	Current rating (A)
32.0011P0001	2.5	5.0-6.0	22.5
32.0015P0001	4-6	5.0-6.0	39
32.0017P0001	4-6	5.9-8.8	39
32.0035P0001	10	5.9-8.8	45

MC4 BRANCH PLUGS



PV-AZB4 Branch socket	
32.0018	2 x Female - 1 x Male



PV-AZB4 Branch socket	
32.0019	2 x Male - 1 x Female

SOLAR CONNECTOR

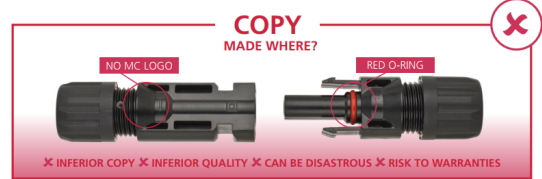


GENUINE MC4 CONNECTOR SYSTEM

EN50521 COMPLIANT IP68, 1000V DC



Preassembled leads	4mm ² leads	6mm ² leads
1 metre	MC4.0FXL/EN/UL/100	MC6.0FXL/EN/UL/100
3 metre	MC4.0FXL/EN/UL/300	MC6.0FXL/EN/UL/300
5 metre	MC4.0FXL/EN/UL/500	MC6.0FXL/EN/UL/500
10 metre	MC4.0FXL/EN/UL/1000	MC6.0FXL/EN/UL/1000
12 metre	MC4.0FXL/EN/UL/1200	MC6.0FXL/EN/UL/1200
15 metre	MC4.0FXL/EN/UL/1500	MC6.0FXL/EN/UL/1500



A growing number of suspect copies of Staübli's MC4 Solar components have recently appeared on the market. Stringent testing* has revealed substantial deficiencies in quality resulting in compromised safety and impaired system performance.

*A temperature increase test by the TÜV Rheinland with copied PV connectors from various manufacturers showed significant differences in higher temperature. This was in stark contrast to the excellent results of the MC4-PV connectors.

GENUINE MC4-EVO 2 CONNECTOR SYSTEM



PV-KBT4-EVO 2 Range			
Female (socket) Cable Coupler	Conductor size (mm ²)	Cable OD clamping range (mm)	Current rating (A)
32.0086P0001	4-6	4.7-6.4	45-53
32.0088P0001	4-6	6.4-8.4	45-53
32.0124P0001	4-6	6.1-7.3	45-53
32.0092P0001	10	6.4-8.4	69



PV-KST4-EVO 2 Range			
Male (socket) Cable Coupler	Conductor size (mm ²)	Cable OD clamping range (mm)	Current rating (A)
32.0087P0001	4-6	4.7-6.4	45-53
32.0089P0001	4-6	6.4-8.4	45-53
32.0125P0001	4-6	6.1-7.3	45-53
32.0093P0001	10	6.4-8.4	69

MC4 BRANCH PLUGS



PV-AZB-EVO 2 Branch socket	
32.0188	2 x Female - 1 x Male



PV-AZS-EVO 2 Branch plug	
32.00189	2 x Male - 1 x Female



SOLAR CONNECTOR



OPEN END SPANNER (PAIR)-MC4



Part No	Description
32.6024	PV-MS

OPEN END SPANNER (PAIR)-MC4-EVO 2



Part No	Description
32.6058	PV-MS-PLS

TEST PLUGS

TEST PLUG MC4



TEST PLUG MC4-EVO 2



STRIPPING PLIERS



Stripping pliers	
Part No	Description
32.6027-156	PV-AZM-156
32.6027-410	PV-AZM-410

CRIMP TOOL



MC4 & Evo 2 crimp tool (includes locator and insert)		
Part No	Description	Connector system
32.6020-19100	PV-CZM-19100	MC4
32.6020-41100	PV-CZM-41100	MC4-Evo 2
32.6025	PV-CZM-BS	MC4

SEALING CAPS

SEALING CAPS MC4, MC4-EVO 2



DUST CAPMC4, MC4-EVO 2



PV-WZ TORQUE TOOL SET



Torque Tool Set	
Part No	Description
32.0065	PV-WZ-Torque-Set
32.6006	PV-WZ-AD/GWD
UZ1043	PV-WZ-DS/W
UZ1045	PV-WZ-AD-SW6.35/SQ12.7

SETS & KITS



Sets & Kits	
Part No	Description
624 105-32 RT	Crimping Kit for Tyco/MC4/Tlian/H4/Leoni
624 570 3 1 RT	Crimp System Tool
624 1194 3 0 RT	Die Set only
624 1194 0 01 RT	Locator only
624 817 3 0 RT	Die Set only
624 817 0 01 RT	Locator only
700 015 36 RT	Cable cutter
708 226-1 3 RT	stripper for solar wire





ABOUT I-POWERS

I-POWERS IS A LEADER IN SMART ENERGY TECHNOLOGY. WE PROVIDE THE SMART ENERGY PRODUCTS AND SOLUTIONS THAT POWER OUR LIVES AND DRIVE FUTURE PROGRESS



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