

PV CABLE HARNESS SYSTEM FOR MEDIUM & LARGE SCALE OFF GRID SOLAR PLANTS

COMPANY PROFILE

JERA LINE is a factory, that produces overhead and underground cable infrastructure. Which transmits electricity and information, via

- Off Grid Solar Plants.
- Fiber Optic Cable Networks.

In following catalog we present PV Cable Harness System for Medium & Large Scale Off Grid Solar Plants.



JERA is operating according to ISO9001, all our products meet the criteria of key regional standards, EN50483-4, IEC-61238-1, NFC 33020, UL 94.

Welcome to cooperate, our intention is committed to build reliable, long-term business relationships.

PRODUCTION FACILITY



Plastic molding workshop

CNC metals workshop

Press forming workshop

Mold processing workshop

Helical wire forming workshop

Products Assembly workshop

TESTING FACILITY



Under water aging test

Electrical aging test

Temp & Humi cycling test

UV & temperature test

Tensile strength test

Fire resistance test

ADVANTAGES OF SOLUTION

Reduced resistance of contacts

Ideal onsite customization

High efficiency and less current losses

Best cabling upgrade /maintenance

Min 20% Cabling saved

Long live span



CATALOG CONTENT

1 PV CABLE: BUS/TAP PIERCING CONNECTOR (IPC)

Cable size: 6-400 sqm
up to 1500V AC, DC, 1 way

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2 PV CABLE: BUS/MULTI TAP PIERCING CONNECTOR (IPC)

Cable size: 6-400 sqm
up to 1500V AC, DC, 2 - 6 ways

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3 IPC PV CABLE HARNESS

Cable size: 6-300 sqm
up to 1500V AC, DC, 2 - 6 ways

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4 IPC PV CABLE FUSED HARNESS

Cable size: 6-300 sqm
up to 1500V AC, DC, 2 - 6 ways

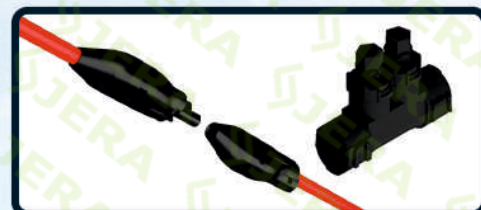
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5 PV CABLE: TAP/TAP PIERCING CONNECTOR / MC4

Cable size: 6-300 sqm
up to 1500V AC, DC, 2 - 6 ways

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6 CABLE LUGS FOR PV COMBINER

Cable size: 6-630 sqm
up to 1500V AC, DC

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7 ANCHORING AND SUSPENSION CLAMPS, BRACKETS

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BUS/TAP PIERCING CONNECTORS, 1 WAY

Key features:



Quick installation speed



Insulation piercing technology tested underwater up to 6KV



Conform to the standard:
EN50483-4:2009, NFC 33-020



High transmission efficiency reduced resistance of contact



Outdoor IP68 protection, durable



No More cable's stripping



Ideal for solar cabling upgrade/maintenance



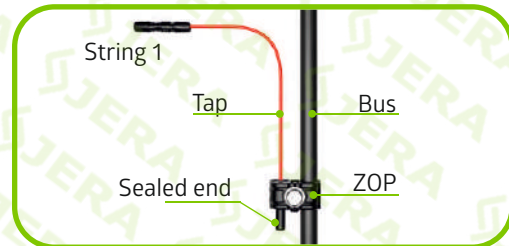
Voltage DC: 0.4-2.0 KV / AC: 0.4-1.0 KV







Universal cable application of PV cable 1.5-400mm², with double jacket's insulation



Application: BUS/TAP



Product code	Main line, mm ²	Branch line, mm ²	Torque, N*m
ZOP-45P 	4-120  	1,5-16	6(±1)
ZOP-54 	16-150  	4-50	11(±2)
ZOP-300 	95-300  	4-35	18(±2)
ZOP-395 	95-300  	95-300	21(±2)
ZOP-400 	150-400  	4-35	21(±2)



BUS/MULTITAP PIERCING CONNECTORS, 2-6 WAYS

Key features:



Quick installation speed



High transmission efficiency reduced resistance of contact



Ideal for solar cabling upgrade/maintenance



Insulation piercing technology tested underwater up to 6KV



Outdoor IP68 protection, durable



Voltage DC: 0.4-2.0 KV / AC: 0.4-1.0 KV



Conform to the standard: EN50483-4:2009, NFC 33-020



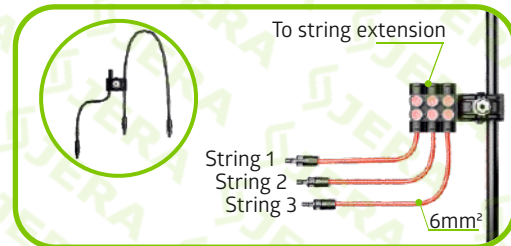
No More cable's stripping



Universal cable application of PV cable 1.5-300mm², with double jacket's insulation



Application: BUS/TAP



Product code	Main line, mm ²	Branch line, mm ²	Torque, N*m
ZOP-57 + MTT-2x435	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-57 + MTT-4x435	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-57 + MTT-6x435	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-395 + MTT-2x435	95-300	2 x 4-35	24 (±2) / 12 (±2)
ZOP-395 + MTT-4x435	95-300	2 x 4-35	24 (±2) / 12 (±2)
ZOP-395 + MTT-6x435	95-300	2 x 4-35	24 (±2) / 12 (±2)



IPC PV CABLE HARNESS, 2-6 WAYS

Key features:



Quick installation speed



Insulation piercing technology tested underwater up to 6KV



Conform to the standard:
EN50483-4:2009, NFC 33-020



High transmission efficiency reduced resistance of contact



Outdoor IP68 protection, durable



No More cable's stripping



Ideal for solar cabling upgrade/maintenance



Voltage DC: 0.4-2.0 KV / AC: 0.4-1.0 KV



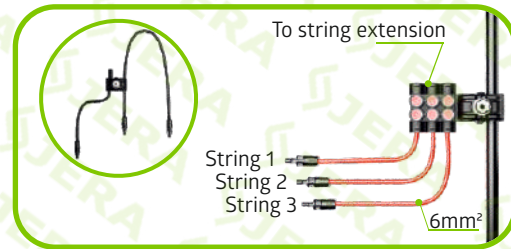
Universal cable application of PV cable 1.5-300mm², with double jacket's insulation



Contact made by the teeth of JERA IPC Model ZOP-57: S2 & S4



Application: CABLE HARNESS



Product code

Main line, mm²

Branch line, mm²

Torque, N*m

ZOP-57 + MTT-2x435 + PV10mm² + MC-4

25-150

2 x 4-35

16 (±2) / 12 (±2)

ZOP-57 + MTT-4x435 + PV10mm² + MC-4

25-150

2 x 4-35

16 (±2) / 12 (±2)

ZOP-57 + MTT-6x435 + PV10mm² + MC-4

25-150

2 x 4-35

16 (±2) / 12 (±2)

ZOP-395 + MTT-2x435 + PV10mm² + MC-4

95-300

2 x 4-35

24 (±2) / 12 (±2)

ZOP-395 + MTT-4x435 + PV10mm² + MC-4

95-300

2 x 4-35

24 (±2) / 12 (±2)

ZOP-395 + MTT-6x435 + PV10mm² + MC-4

95-300

2 x 4-35

24 (±2) / 12 (±2)



IPC PV CABLE FUSED HARNESS, 2-6 WAYS

Key features:



Quick installation speed



High transmission efficiency reduced resistance of contact



Ideal for solar cabling upgrade/maintenance



Access point with seal cap for testing



Outdoor IP68 protection, durable



Voltage DC: 0.4-2.0 KV / AC: 0.4-1.0 KV



Conform to the standard:
EN50483-4:2009, NFC 33-020



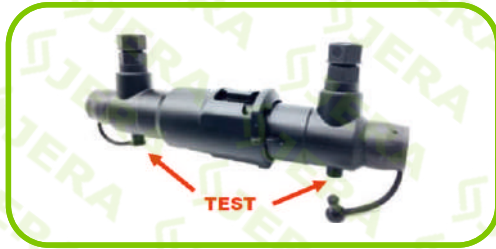
Replacable by cutting the string
no cable's stripping



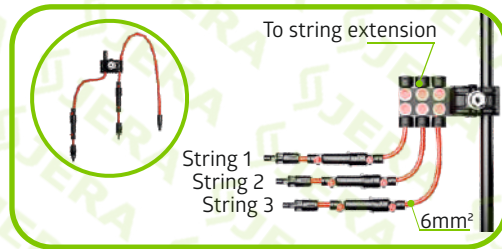
Universal cable application of PV
cable 1.5-300mm², with double
jacket's insulation



Customized fuse links of 10*38 mm, up to 1000V DC, and 10*85 up to 1500V DC, 32A max



Application: BUS/MULTI TAP WITH FUSE LINK TO SOLAR PANEL



Product code	Main line, mm ²	Branch line, mm ²	Torque, N*m
ZOP-57 + MTT-2x435 + FHp-435 + Pv10mm ² + + MC-4	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-57 + MTT-4x435 + FHp-435 + PV10mm ² + + MC-4	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-57 + MTT-6x435 + FHp-435 + PV10mm ² + + MC-4	25-150	2 x 4-35	16 (±2) / 12 (±2)
ZOP-395 + MTT-2x435 + FHp-435 + Pv10mm ² + + MC-4	95-300	2 x 4-35	24 (±2) / 12 (±2)
ZOP-395 + MTT-4x435 + FHp-435 + PV10mm ² + + MC-4	95-300	2 x 4-35	24 (±2) / 12 (±2)
ZOP-395 + MTT-6x435 + FHp-435 + PV10mm ² + + MC-4	95-300	2 x 4-35	24 (±2) / 12 (±2)



TAP/TAP PIERCING CONNECTOR/MC4 CONNECTOR

Key features:



Quick installation speed



Customized TAP/TAP connection up to 2000V DC



Conform to the standard: EN50483-4:2009, NFC 33-020



High transmission efficiency reduced resistance of contact



Outdoor IP68 protection, durable



Replacable by cutting the string no cable's stripping



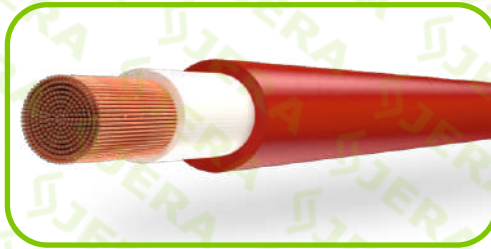
Ideal for solar cabling upgrade/maintenance



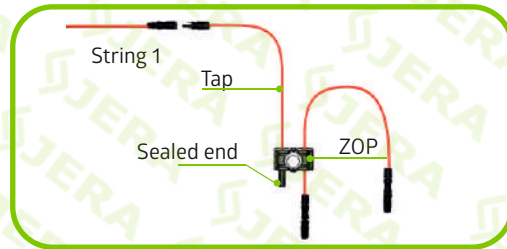
Voltage DC: 0.4-2.0 KV / AC: 0.4-1.0 KV



Universal cable application of PV cable 2.5-10mm², with double jacket's insulation



Application: TAP/TAP CONNECTION OF PV CABLE



Product code

Cable size, mm²

ZOP-10



2.5-10/2.5-10

ICCP-26



2.5-6/2.5-6

ICCP-26



2.5-6/2.5-6

ICCP-450



4-10/4-10



PV CABLE BOLTED CABLE LUGS & JOINTS

Key features:



For connecting of two BUS/BUS cables



For cable termination and connection to PV combiner or to any industrial circuit breaker



Conform to the standard: IEC 61238, EN50483-4:2009



Universal cable application of PV cable 6-630mm²



Shearhead bolt torque type, provide excellent electrical contact



CLB/CCB seria for cable sizes: 6-630 sqm, up to 36KV



Pre-insulated ICL seria for cable sizes: 6-240 sqm, up to 2KV



Application: TAP/TAP CONNECTION OF PV CABLE



Product code

Cable size, mm²

ICLp-450



4-10

ICL-16-95



16-95

ICL-2-70-240



70-240

CLBIT seria



6-50/16-95/25-150/70-240/120-300

CCBIT seria



6-50/16-95/25-150/70-240/120-300

CLBVT-36 seria



6-95/25-150/70-240/120-300/185-400/400-630

CCBVT-36 seria



6-95/25-150/70-240/120-300/185-400/400-630



TAP AND BUS PV CABLE ANCHORING & SUSPENSION CLAMPS, BRACKET

Key features:



For anchoring of Tap and BUS cables on the racks with solar panels



Once piece design of clamps, no falling parts



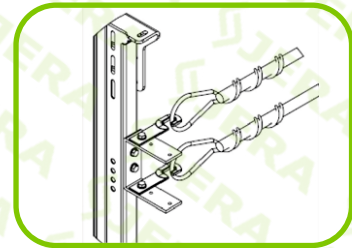
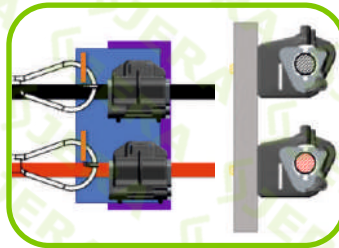
For PV cables diameters of 2.5-300 sqm (4-20 mm in diameter)



Tool free installation



Applications: Anchoring and Suspension clamps of TAP and BUS PV Cables



Product code

Cable size, sqm

STD



2.5-150

STC



4x2.5-25

CA-30



CO 150 / 185 / 240 / 300



150 / 240 / 300

SSM



150-300

Anchor Eye Bolt M6



Cable tie



10 mm*0.4 mm 800mm

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Jera Line Infrastructure

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