

PV-MI-CABLE SPLICE 3P - Housing



1812403

<https://www.phoenixcontact.com/us/products/1812403>

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Housing to protect splice connection of solar panel wires. Allows splice of 3 conductors (1.5 to 25 mm²/16 to 4 AWG maximum) to be inside housing with an IP67 rating.

Commercial data

Item number	1812403
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	AB05
Product key	ABLWZX
Catalog page	Page 72 (NTK-2014)
GTIN	4046356738682
Weight per piece (including packing)	220 g
Weight per piece (excluding packing)	220 g
Customs tariff number	85366990
Country of origin	US

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Technical data

Product properties

Product type	Shroud
Number of positions	3

Electrical properties

Rated voltage (III/3)	600 V AC/DC
Rated current	30 A

Connection data

Connection method	Screw connection within housing
Tightening torque	2.5 ... 3 Nm
Conductor cross section flexible	1.5 mm ² ... 25 mm ²
Conductor cross section rigid	1.5 mm ² ... 25 mm ²
Cross section AWG	16 ... 4

Dimensions

Wrench size, union nut	22.00 mm
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External dimensions

Outside diameter	9.5 mm ... 13 mm (0.37" ... 0.51")
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Material specifications

Color	black
Material for screw connection	EPCM

Cable/line

Cable type	TC-ER
External cable diameter	9.5 mm ... 13 mm
Single wire, number of litz wires	3
Stripping length of the individual wire	12 mm

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	10 (with same cable diameter)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
Ambient temperature (operation)	-40 °C ... 90 °C

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Classifications

UNSPSC

UNSPSC 21.0	39121432
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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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Accessories

PV-MI-CABLE TERMINATOR 3P - Termination block

1812416

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Terminator to protect the end of a solar panel trunk line.



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