

1648069

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Cable for energy storage units



Commercial data

Item number	1648069
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB04
Product key	ABLDDA
GTIN	4067923179684
Weight per piece (including packing)	2,164 g
Weight per piece (excluding packing)	2,164 g
Customs tariff number	85446010
Country of origin	US



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Technical data

Notes

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CE note	The products are offered exclusively for export outside the EU
	and the European Economic Area.

Product properties

Product type	Connectors for energy storage
Product family	BPC

Electrical properties

Rated voltage (III/2)	1500.00 V
Rated voltage	1500 V
Contact resistance	< 0.5 mΩ

Connector

Connection 1

Туре	Plug, angled, 1-position
Number of positions	1
Insertion/withdrawal cycles	100
Insertion force	≤ 75 N
Withdrawal force	≥ 10 N
Insulation resistance	1000 ΜΩ
Overvoltage category	III
Degree of pollution	2
Material Grip body	PA
Material Seal	Silicon
Material Contact	Cu alloy
Material Contact surface	Ni/Ag
Material Contact carrier	Polyamide
Color (Housing)	orange
Flammability rating according to UL 94	V0
Degree of protection	IP65
	IP20
Ambient temperature (operation)	-40 °C 80 °C
Standards/regulations	IEC 61984:2008

Connection 2

Туре	Plug, angled, 1-position
Number of positions	1
Insertion/withdrawal cycles	100



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Insertion force	≤ 75 N
Withdrawal force	≥ 10 N
Insulation resistance	1000 ΜΩ
Overvoltage category	III
Degree of pollution	2
Material Grip body	PA
Material Seal	Silicon
Material Contact	Cu alloy
Material Contact surface	Ni/Ag
Material Contact carrier	Polyamide
Color (Housing)	black
Flammability rating according to UL 94	V0
Degree of protection	IP65
	IP20
Ambient temperature (operation)	-40 °C 80 °C
Standards/regulations	IEC 61984:2008

Cable/line

Cable length	304.80 cm
Cable weight	759 kg/km
UL AWM Style	RHH-RHW-2
Number of positions	1
Shielded	no
Conductor cross section	67 mm²
External cable diameter	15.75 mm
Outer sheath, material	XLPE
External sheath, color	orange
Conductor material	Copper
Thickness, insulation	2.29 mm
Max. conductor resistance	0.2756 Ω/m (DC, at 25°C)
	0.34 Ω/m (AC, at 90°C)
Nominal voltage, cable	2000 V
Smallest bending radius, fixed installation	119.38 mm
Halogen-free	yes
Flame resistance	UL 1685
Resistance to oil	yes

Environmental and real-life conditions

Amh	iont .	cond	itions

Ambient temperature (storage/transport) -40 °C 125 °C



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1648069



UL RecognizedApproval ID: UL-US-2431264



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Classifications

ETIM 9.0

ECLASS

ECLASS-13.0	27440	390
ETIM		

EC004746



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
Tullins LO Not is substance requirements	Not applicable, Not qualified for the European market
EU REACH SVHC	

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