

ES-BPC-C-10XO-OG-610-BK - Cable for energy storage units

1648064
<https://www.phoenixcontact.com/us/products/1648064>

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Cable for energy storage units



Commercial data

Item number	1648064
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB04
Product key	ABLDDB
GTIN	4067923179851
Weight per piece (including packing)	529 g
Weight per piece (excluding packing)	500 g
Customs tariff number	85446010
Country of origin	US

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Technical data

Notes

Trade restriction

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

Type	Plug, angled, 1-position
Number of positions	1
Insertion/withdrawal cycles	100
Insertion force	≤ 75 N
Withdrawal force	≥ 10 N
Insulation resistance	1000 MΩ
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

Type	Plug, angled, 1-position
Number of positions	1
Insertion/withdrawal cycles	100
Insertion force	≤ 75 N

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Withdrawal force	≥ 10 N
Insulation resistance	1000 MΩ
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	61.00 cm
Cable weight	634 kg/km
UL AWM Style	RHH-RHW-2
Number of positions	1
Shielded	no
Conductor cross section	50 mm ²
External cable diameter	14.48 mm
Outer sheath, material	XLPE
External sheath, color	orange
Conductor material	Copper
Thickness, insulation	2.29 mm
Max. conductor resistance	0.105 Ω/m (DC, at 25°C)
	0.132 Ω/m (AC, at 90°C)
Nominal voltage, cable	2000 V
Smallest bending radius, fixed installation	114.3 mm
Halogen-free	yes
Flame resistance	UL 1685
Resistance to oil	yes

Environmental and real-life conditions

Ambient conditions

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/1648064>



UL Recognized

Approval ID: UL-US-2431264

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Classifications

ECLASS

ECLASS-13.0	27440390
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ETIM

ETIM 9.0	EC004746
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Not applicable, Not qualified for the European market
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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