

1648070

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Cable for energy storage units



## Commercial data

Item number	1648070
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	AB04
Product key	ABLDDA
GTIN	4067923179868
Weight per piece (including packing)	671 g
Weight per piece (excluding packing)	657 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.

### 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
Insertion force	≤ 75 N



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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	30.50 cm
Cable weight	1173 kg/km
UL AWM Style	RHH-RHW-2
Number of positions	1
Shielded	no
Conductor cross section	107 mm²
External cable diameter	18.80 mm
Outer sheath, material	XLPE
External sheath, color	orange
Conductor material	Copper
Thickness, insulation	2.29 mm
Max. conductor resistance	0.1739 Ω/m (DC, at 25°C)
	0.22 Ω/m (AC, at 90°C)
Nominal voltage, cable	2000 V
Smallest bending radius, fixed installation	147.32 mm
Halogen-free	yes
Flame resistance	UL 1685
Resistance to oil	yes

### Environmental and real-life conditions

### Ambient conditions

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### **Approvals**

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**UL Recognized**Approval ID: UL-US-2431264



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## Classifications

#### **ECLASS**

	ECLASS-13.0	27440390
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	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	

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