

# PV-FT-CM-C-6-1500-BK - Photovoltaic connectors



1707244

<https://www.phoenixcontact.com/us/products/1707244>

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## Commercial data

Item number	1707244
Packing unit	10 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	ABLBA
GTIN	4046356904704
Weight per piece (including packing)	119.3 g
Weight per piece (excluding packing)	22.22 g
Country of origin	DE

## Technical data

### Notes

#### Safety note

<p>Safety note</p>	<ul style="list-style-type: none"> <li>• <b>WARNING:</b> Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.</li> <li>• <b>WARNING:</b> Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.</li> <li><b>WARNING:</b> The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.</li> <li>• The products are suitable for applications in plant, controller, and electrical device engineering.</li> <li>• Assembled products may not be manipulated or improperly opened.</li> <li>• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a>).</li> <li>• When using the product in direct connection with third-party manufacturers, the user is responsible.</li> <li>• For operating voltages &gt; 50 V AC, conductive connector housings must be grounded</li> <li>• Ensure that the protective or functional ground has been properly connected.</li> <li>• Observe the corresponding technical data. You will find information:             <ul style="list-style-type: none"> <li>o On the product</li> <li>o On the packing label</li> <li>o In the supplied documentation</li> <li>o Online at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> under the product</li> </ul> </li> <li>• The installation notes/Design In documents online on the download page at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a> must be observed for this product.</li> <li>• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at <a href="https://www.phoenixcontact.com/products">phoenixcontact.com/products</a></li> <li>• The connector warms up in normal operation. Depending on the ambient conditions, the surface of the connector can continue to warm up. In this case, the user is responsible for posting warnings (e.g. DIN EN ISO 13732-1:2008-12).</li> <li>• Operate the connector only when it is fully plugged in and interlocked.</li> <li>• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.</li> </ul>
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- Observe the minimum bending radius of the cable. Lay the cable without twisting it.

## Product properties

Product type	Photovoltaic connectors
Product family	SUNCLIX

## Insulation characteristics

Degree of pollution	2
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## Electrical properties

Rated voltage (II/2)	1000 V
Rated voltage (III/2)	1500 V
Rated surge voltage (II/2)	8 kV
Rated surge voltage (III/2)	8 kV
Rated surge voltage (III/3)	16 kV

## Dimensions

Width	26.3 mm
Height	26.3 mm
Length	41.5 mm

## Material specifications

Color of the housing part	black
Flammability rating according to UL 94	V0
Insulating material group	I / CTI 600
Seal material	EPDM
Housing material	PPE
Cable seal material	Elastosil
Contact material	Cu
Contact surface material	Ag

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## Classifications

### ECLASS

ECLASS-13.0	27440107
ECLASS-15.0	27440107

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
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### 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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