

# EPIC<sup>®</sup> SOLAR 4 THIN



# EPIC® SOLAR 4 THIN

**Super-slim, super-effective, super-durable**

Functional reliability and durability are two essential quality criteria for wiring systems in photovoltaics. The SOLAR brand components from Lapp Group are UV resistant, waterproof and temperature resistant. They are used worldwide and ensure durable connections with effective energy transmission in major projects, as well for small solar plants.

Backed up by in-depth expertise and decades of experience in the use of cable systems under extreme environmental conditions – heat and cold, as well as mechanical and chemical stresses.

**Made in Germany:  
Zero-resistance cable  
connection for super-effective  
energy transmission.**

Zero-resistance cable connection by virtue of an innovative welded joint

High packing density with a super-flat 12 mm

Conductor cross-sections from 1.5 mm<sup>2</sup> to 6 mm<sup>2</sup>

**Practical all round –  
EPIC® SOLAR 4 for on-site assembly**

- 4 mm connector system with double hook
- Easy to assemble with a crimp connection
- Broad spectrum of applications with conductor cross-sections of 2.5 mm<sup>2</sup> to 6 mm<sup>2</sup>



## EPIC® SOLAR 4 THIN puts the focus on panel producers' quality requirements:

- No warming of the connector and therefore marginal aging and durable functional reliability
- Plug and cable preassembled. Every part is tested!
- Development according to international TÜV and UL standards

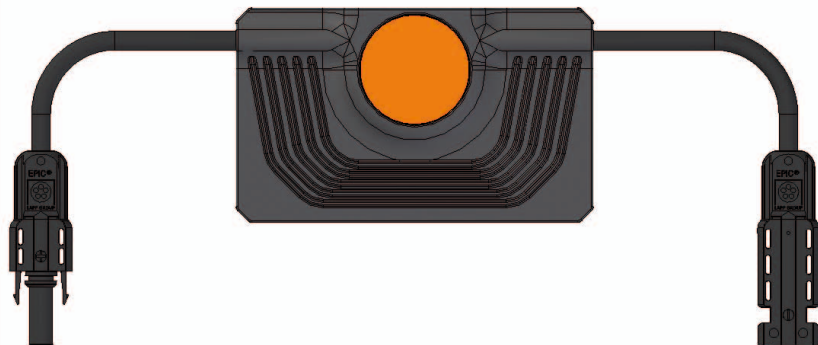


Cable tie option integrated

4 mm connector system with double hook

Cable tie option integrated

## Module box made to measure!



When it comes to customer-orientation and flexibility, the sun always shines at Lapp Group. For instance, we offer EPIC® SOLAR connection

boxes for weatherproof wiring, also as a customised solution for your solar panels. **Just ask us!**

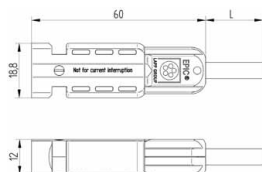
New

## EPIC® SOLAR 4 THIN M pre-assembled

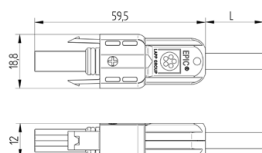


Info

- 4 mm connector system with double hook
- Unresistant cable connection



## EPIC® SOLAR 4 THIN F pre-assembled



### Benefits

- Unresistant cable connection for efficient power transmission
- Innovative, patented pending contact system, current leaves the connection cool
- High reliability and longevity by welded bonding
- Extra Thin 12 mm for high density packing

### Application range

- Pre-assembled connector cables for weather proof cabling of Photovoltaic systems

### Product features

- 4 mm connector system with double hook
- Pre-assembled with 100% automatic control
- Wide range of wire sizes from 1.5 mm<sup>2</sup> up to 6 mm<sup>2</sup>
- EPIC® SOLAR 4 THIN isn't compatible with EPIC® SOLAR
- TÜV Rheinland and UL in preparation

### Technical data

<b>Rated voltage in V</b>	1000 V AC/DC
<b>Rated impulse Voltage</b>	8 kV
<b>Pollution degree</b>	3
<b>Contact resistance</b>	< 0.2 m Ohm
<b>Degree of protection</b>	IP68 (10 h/1 m)
<b>Protection class</b>	II
<b>Cycle of mechanical operation</b>	100
<b>Range of temperature</b>	-40 °C ... +105 °C

Part number	Article designation	Cross-section in mm <sup>2</sup>	Rated current in A	Length in m	Copper index kg/1000 pcs.	Pieces/PU
<b>EPIC® SOLAR 4 THIN male with cable ÖLFLEX® SOLAR XLR</b>						
44428100	EPIC® SOLAR 4 THIN M XLR TF 1,5 mm <sup>2</sup> 1 m	1.5	16.0	1.0	14.4	100
44428101	EPIC® SOLAR 4 THIN M XLR TF 2.5 mm <sup>2</sup> 1 m	2.5	21.0	1.0	24.0	100
44428102	EPIC® SOLAR 4 THIN M XLR TF 4 mm <sup>2</sup> 1 m	4	24.0	1.0	38.4	100
44428103	EPIC® SOLAR 4 THIN M XLR 6 mm <sup>2</sup> 1 m	6	29.0	1.0	57.6	100
<b>EPIC® SOLAR 4 THIN male with cable ÖLFLEX® SOLAR XL multi</b>						
44428108	EPIC® SOLAR 4 THIN M XL multi 2.5 mm <sup>2</sup> 1 m	2.5	21.0	1.0	24.0	100
44428109	EPIC® SOLAR 4 THIN M XL multi 4 mm <sup>2</sup> 1 m	4	24.0	1.0	38.4	100
44428110	EPIC® SOLAR 4 THIN M XL multi 6 mm <sup>2</sup> 1 m	6	29.0	1.0	57.6	100
<b>EPIC® SOLAR 4 THIN female with cable ÖLFLEX® SOLAR XLR</b>						
44428104	EPIC® SOLAR 4 THIN F XLR TF 1,5 mm <sup>2</sup> 1 m	1.5	16.0	1.0	14.4	100
44428105	EPIC® SOLAR 4 THIN F XLR TF 2.5 mm <sup>2</sup> 1 m	2.5	21.0	1.0	24.0	100
44428106	EPIC® SOLAR 4 THIN F XLR TF 4 mm <sup>2</sup> 1 m	4	24.0	1.0	38.4	100
44428107	EPIC® SOLAR 4 THIN F XLR 6 mm <sup>2</sup> 1 m	6	29.0	1.0	57.6	100
<b>EPIC® SOLAR 4 THIN female with cable ÖLFLEX® SOLAR XL multi</b>						
44428111	EPIC® SOLAR 4 THIN F XL multi 2.5 mm <sup>2</sup> 1 m	2.5	21.0	1.0	24.0	100
44428112	EPIC® SOLAR 4 THIN F XL multi 4 mm <sup>2</sup> 1 m	4	24.0	1.0	38.4	100
44428113	EPIC® SOLAR 4 THIN F XL multi 6 mm <sup>2</sup> 1 m	6	29.0	1.0	57.6	100

Copper price basis: EUR 150/100 kg; For utilization and definition of 'Metal price basis' and 'Metal index' see main catalogue 2010/11 Appendix T17  
Other lengths and cable end versions on request.