

Studer Betaflam Solar Innovative solar cables

Leoni Studer AG – Internationally proven

With more than 34,000 employees in over 100 locations in 30 countries, the company is one of the leading manufacturers of cables, conduits and grid systems. The business unit "Wind and Solar Power" contributes to a high-quality broad cable range for the sectors industry, infrastructure and energy. It produces cables and for these develops and processes superior compounds for conductor insulation. Leoni Studer AG is part of the internationally active Leoni Group and represents highest quality and innovative technology.

Best features

Long life-cycle and optimum weather resistance – with these features, Leoni Studer solar cables meet all requirements made of solar systems and their components. The double-insulated, electron beam cross-linked cables meet the highest standards of solar cables

and can unreservedly be used as module and connecting cables for stand-alone and grid-connected systems.

Safe design

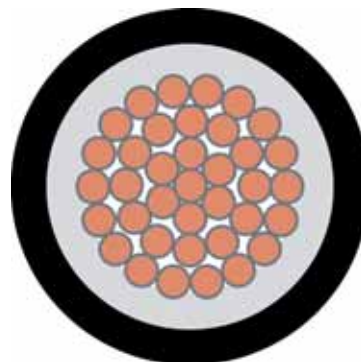
- Conductor: Braided copper wire, tinned, fine, class 5
- Insulation: Polyolefin Copolymer electron beam cross-linked
- Jacket: Polyolefin Copolymer electron beam cross-linked

Advantages in brief

- UV and ozone resistant
- Hydrolysis resistant
- Electron beam cross-linked compounds
- High temperature resistance
- Cold flexibility
- Long life-cycle
- Compatible with all major connectors







The double insulated electron beam cross-linked solar cables of Studer are suitable for grid-connected and stand-alone systems.



The Studer solar cables are UV and ozone resistant and suited for a temperature range of -40 up to +85°C.

ACCESSORIES Solar Cable

Art. No.	1302197	1302203	1302198	1302204
				
Model	Studer Betaflam 125 flex, 4 mm ² bk, 500 m drum	Studer Betaflam 125 flex, 4 mm ² bk, 100 m drum	Studer Betaflam 125 flex, 6 mm ² bk, 500 m drum	Studer Betaflam 125 flex, 6 mm ² bk, 100 m drum
Cross section	4.0 mm ²	4.0 mm ²	6.0 mm ²	6.0 mm ²
Colour	Black	Black	Black	Black
Cable diameter	5.9 mm ±0.15 mm	5.9 mm ±0.15 mm	6.8 mm ±0.15 mm	6.8 mm ±0.15 mm
Rated voltage	1000 V DC	1000 V DC	1000 V DC	1000 V DC
Min. bending radius	4 x diameter	4 x diameter	4 x diameter	4 x diameter
Temperature range	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C	-40 to +85 °C
Short-circuit-resistant up to temperature of	+280 °C	+280 °C	+280 °C	+280 °C
Conductor	Tinned flexible copper lead, fine-wire	Tinned flexible copper lead, fine-wire	Tinned flexible copper lead, fine-wire	Tinned flexible copper lead, fine-wire
Insulation	Polyolefin Copolymer electron beam cross-linked	Polyolefin Copolymer electron beam cross-linked	Polyolefin Copolymer electron beam cross-linked	Polyolefin Copolymer electron beam cross-linked
Weight *	7.0 kg	7.0 kg	9.7 kg	9.7 kg
Warranty	2 years	2 years	2 years	2 years
Norms	IEC 60332-1, IEC 61034, EN 50268-2, DIN 51900, TÜV PFG 1169/08.2007 PV1-F	IEC 60332-1, IEC 61034, EN 50268-2, DIN 51900, TÜV PFG 1169/08.2007 PV1-F	IEC 60332-1, IEC 61034, EN 50268-2, DIN 51900, TÜV PFG 1169/08.2007 PV1-F	IEC 60332-1, IEC 61034, EN 50268-2, DIN 51900, TÜV PFG 1169/08.2007 PV1-F

* - Nominal kg/100 m