Studer Cables
Connected to HARTING

BETAflam® Solar 125 RV+ flex 1500V DC

Maximum Fire Safety for Your Solar System

NEW!

B2ca – Maximum fire safety!

- With B2ca minimum fire propagation according to the Construction Products Regulation
- Approval according to EN 50618, IEC 62930
- In-house developed electron beam cross- linked plastics
- UV, ozone and hydrolysis resistant
- Very high
- Temperature resistance
- Long service life >25 years at 90° C
- Compatible with all common connectors

swiss made

Studer Cables is setting new standards in fire safety with the **BETA**flam® Solar 125 RV+ flex 1500V DC string and module cable. We are one of the few solar cable manufacturers in Europe to have achieved B2ca Building Products Regulation approval – the lowest fire propagation for solar cables according to the CPR classification. Proof by independent certifiers.

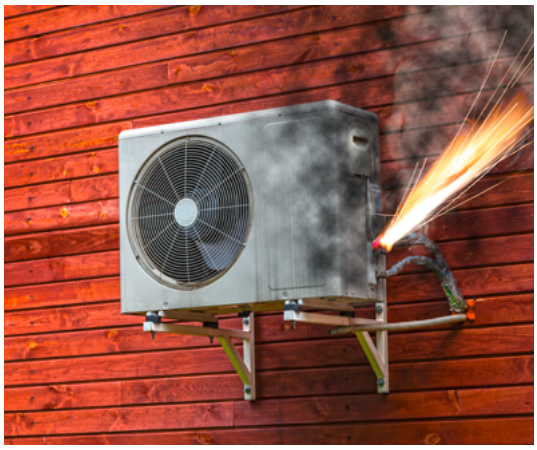
The **BETA**flam® Solar 125 RV+ flex 1500V DC is not only suitable for rooftop systems, but also for BIPV applications (building-integrated photovoltaic systems), such as on façades, making it a flexible solution for various solar installations.

Thanks to its exceptional fire safety, the **BETA**flam® Solar 125 RV+ flex 1500V DC is ideal for safety-critical buildings where large numbers of people are present or high material assets need to be protected. These , among others:

- Schools
- Hospitals
- Administrations
- Museums
- Industrial and commercial buildings
- Shopping centres
- Sports facilities
- Event halls
- Trade fairs

Minimised fire risk – even with large PV systems

Cable fires can have catastrophic consequences for large PV systems. The increasing size of the systems and the tight bundling of the cables increase the risk of fire enormously - especially on flat roofs with bitumen coatings, as bitumen is particularly flammable. In these environments, where a fire can quickly spread to neighbouring areas, safety is a top priority.



The **BETA**flam® Solar 125 RV+ flex 1500V DC significantly reduces the spread of fire. It is not only extremely temperature- resistant, but also UV, ozone and hydrolysis-resistant, which guarantees a service life of over 25 years. This combination of properties ensures long-lasting performance and safety, even under extreme weather conditions.

Why are Studer solar cables only available in black?

- Because the black compound developed by Studer Cables is especially UV-stable:> 25 years!
- Because coloured compounds require additional additives in order to achieve the same UV stability.
- This is because the effect of these additives diminishes over time and, for cost reasons, they are often used in quantities that are too small to fulfil the minimum UV test requirements (720 h).
- Because Studer Cables cross-links its cables with electron beams, they are less attractive to rodents than chemically cross-linked cables.

For visual labelling, Studer Cables prints its **BETA**flam® solar cables with white and red labelling and stripes.

Innovative plastic technology – developed for maximum safety

Thanks to our in-house development department and our advanced test and fire laboratories, we guarantee reliable and resistant cables. Our specially developed plastics ensure outstanding fire safety and enable us to implement technical innovations efficiently. This not only ensures the highest safety standards, but also remarkable reliability over the entire service life of the cables.

Test laboratories – focus on fire behaviour

Fire behaviour plays a decisive role in the safe use of products with technical safety requirements. In our in-house fire laboratory, the Center of Excellence Fire Testing, we test and evaluate the fire behaviour of cable materials and cable products. We carry out a large number of standardised fire tests:

Material tests on plastics and compounds
- Limited Oxygen Index (LOI)
- Critical Temperature Index (CTI)

Product testing
- Fire tests on cables and wires (flame resistance, fire propagation, insulation integrity, fire resistance)

System checks
- Testing the functional integrity of electrical cable systems and support systems under the influence of fire in accordance with DIN 4102, Part 12

Our tests are used for quality assurance, material and product development, certification and basic research in the field of fire behaviour. Our testing facilities are also certified in accordance with the SMT (Supervised Manufacturers Testing) procedure.

Energy transition – together with our customers

Studer Cables is not just a cable manufacturer. We offer you much more:
- Cable system engineering
- Cable assembly
- Precise logistics
- And of course the installation on site

Sustainable, joint growth with our customers and partners means a win-win situation - for our customers, for ourselves and for the environment.

Talk to us about your projects. Together we will find a suitable, efficient and sustainable solution.

With BETAflam® Solar 125 RV+ flex 1500V DC, you are opting for safe and sustainable cabling for your solar system.

Further information can be found on our website: **www.studercables.com**

Studer Cables AG
Herrenmattstrasse 20 • 4658 Däniken • Switzerland • Phone: +41 62 288 82 82
E-mail: info@studercables.com • www.studercables.com