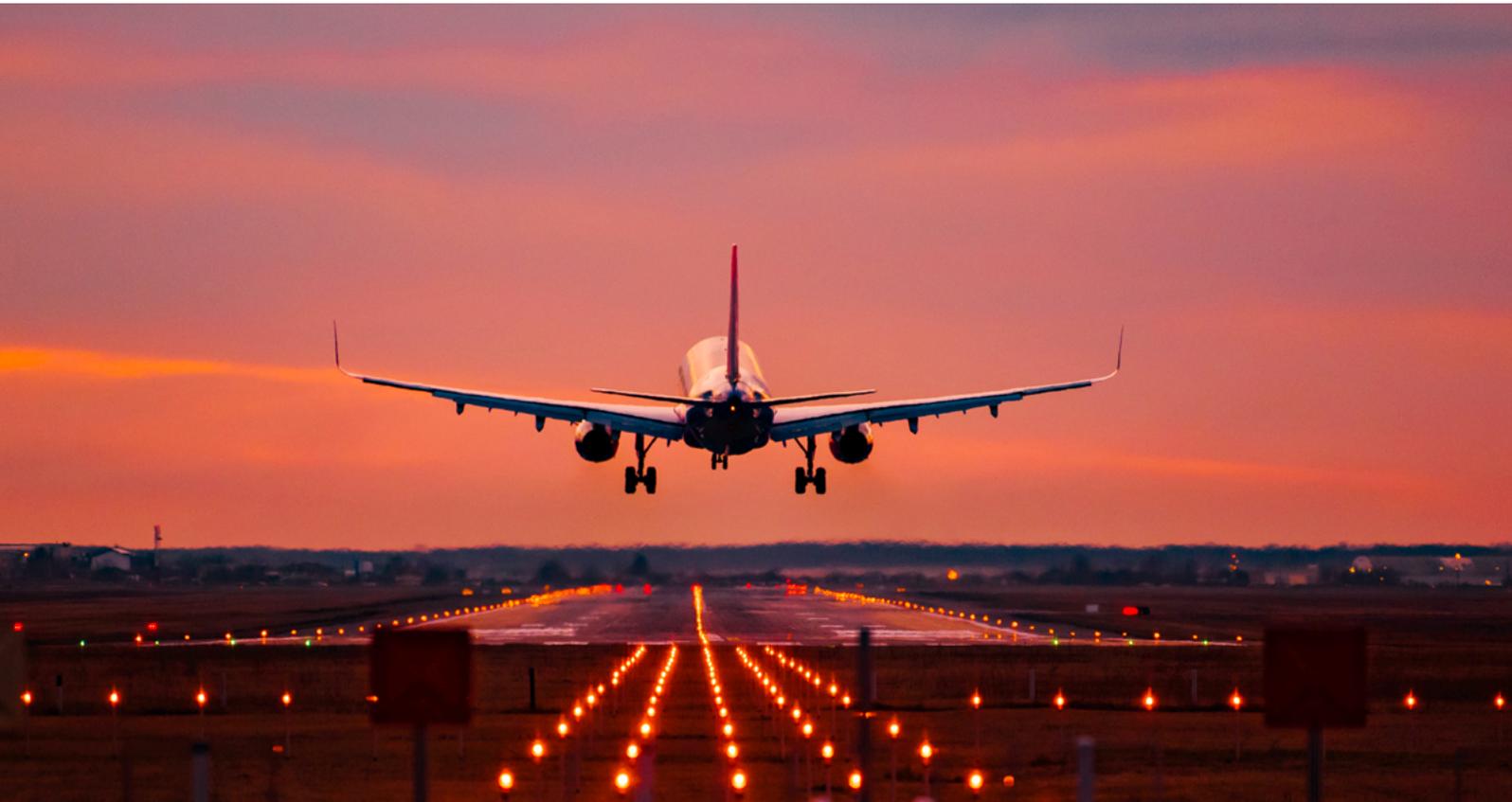


Cable Solutions for Airfield Lighting

BETAlux[®] – Robust, Sustainable and Reliable



With the continued growth of air traffic, the demands on airport infrastructure are also increasing. To ensure safe take-offs and landings at all times, reliable runway lighting is essential. Our 5 kV and LED runway lighting cables are specifically designed for use at major airports and military bases, supporting the long-term performance of safety-critical systems – even under increasing operational loads.

Reliable power supply for airfield lighting

Our halogen-free series circuit cables provide a safe and reliable power supply to transformers in airfield lighting Systems, which are connected in series and regulated according to brightness levels. Designed for fixed installation in trenches and conduits, they're ideal for taxiways, apron signage, approach paths and runway lighting.

Maximum operational reliability through quality

As airport capacity increases, the demands on lightning and signaling technology are increasing too. Failures – often caused by defective cables – can lead to serious operational disruptions and significant costs. Our durable and reliable products greatly reduce this risk, ensuring the long-term, uninterrupted operation of safety-critical installations.

Advantages

- Resistant to aviation fluids and other media
- Highly robust and flexible
- Protection against microbes, rodents and termites
- Extra-hard outer sheath
- Free of toxic additives
- FAA certified
- Halogen-free
- Sustainable thanks to exceptionally long service life
- Easy to install (highly installer-friendly)

Robust solutions for extreme conditions

Airports and military facilities are frequently exposed to extreme climatic conditions. Our cables deliver reliable performance in both high and low temperatures. They also offer excellent resistance to aviation fluids and other harsh media, ensuring a long service life even under demanding conditions. This durability contributes to sustainable operational safety while significantly reducing maintenance requirements.

Customised solutions – made in Switzerland

With deep manufacturing expertise and state-of-the-art production, we develop innovative cables featuring excellent insulation properties, high temperature resistance and additional safety features. Reliable Swiss quality for future-proof infrastructure. We also offer customised special solutions, such as a 6 kV or 1 × 10 RM version, upon request.



5 kV Cables

	Nominal voltage	Temperature range	Cross sections	Certifications
BETA lux® AT (Anti Termite)	5000 V	-40 to +90 °C	1×6 RM / 1×8 AWG RM	FAA Spec. AC 150 / 5345-7E (L 824) Type C + IEC TS 62100
BETA lux®	5000 V	-40 to +90 °C	1×6 RM / 1×8 AWG RM	FAA Spec. AC 150 / 5345-7E (L 824) Type C + IEC TS 62100



Visit our website: www.studercables.com

Beyond first-class products, Studer Cables offers comprehensive consulting, precise calculations, and a range of additional services. We are happy to assist you personally with any questions.

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