

A satellite with four solar panel arrays is shown in orbit above the Earth. The Earth's horizon is visible, showing blue oceans and green landmasses. The background is a dark blue space filled with stars. A vertical blue bar is on the left side of the image, containing a bright blue circular light effect.

Space matters.

Renowned expertise in customized connectivity to ensure uncompromised performance in the tightest of spaces.

Edition 2023/03

Core portfolio: High-end microwave connectivity

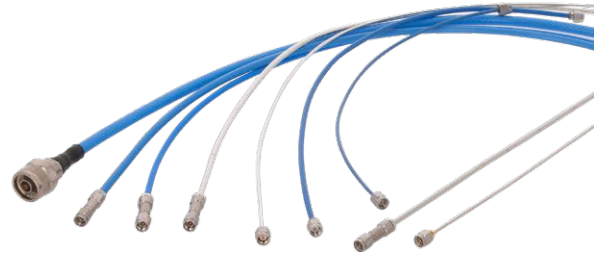
SUCOFLEX® 300



Lightweight, high-performance cable assemblies

Delivers up to 50% weight reduction compared to conventional cable assemblies. Designed to meet the stringent requirements of spaceflight and aerospace systems, making it the go-to for customers looking for lightweight, low-loss and flexible microwave cable assemblies.

Phase stable over temperature cables and assemblies



The Consistent over Temperature (CT) product family for phase critical applications offers excellent phase and insertion loss stability over a broad temperature range and irrespective of tight bending.. Concomitantly, the return loss and shielding performance make these components ideal for applications where phase and thermal requirements are challenging.

MINIBEND™ series



The original "bend-to-the-end" for tight spaces

Flexible, pre-terminated coaxial cable assemblies designed for congested internal point-to-point links between RF modules. MINIBEND assemblies tolerate repeated 90° bending at the cable-conductor junction. MINIBEND replaces custom semi-rigid cables with standard flexible cables, eliminating the need for pre-defined custom lengths and bend configurations.

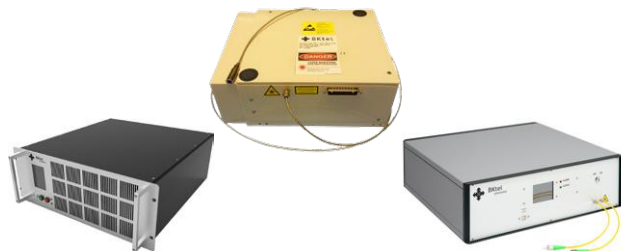
Connectors and adapters



Our spaceflight-qualified connector portfolio has been designed for use within the most unique and challenging applications. Our wide range of state-of-the-art connector interfaces, panel mount geometries, printed circuit board (PCB) launch profiles, and customized solutions deliver unrivalled performance and robustness. Our portfolio includes the new SMP3 (the smallest connector to date), SMP-SL, SMPM-T, VITA 67, ganged multicoax and PSM.

Extended portfolio: Photonics solutions

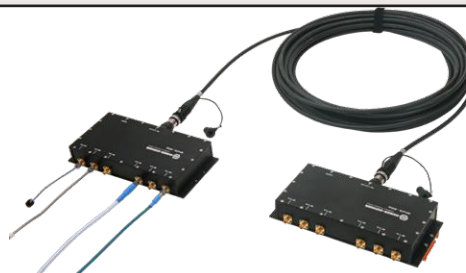
Fiber lasers



LIDAR and free space optical communication

HUBER+SUHNER BKtel photonics fiber lasers and amplifiers provide high power CW or modulated optical output power in the 1, 1.3, 1.5, and 2 μm bands for air-, space-borne and ground based applications. The systems come as rack-mountable or OEM modules.

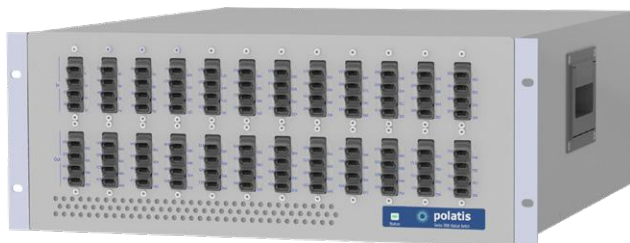
RF over Fiber



End-to-end hybrid solutions

The RF-over-Fiber Series enables the use of radio frequency and fiber optics in a single connectivity link. This unique solution allows for greater distances between the RF source and the RF receiver system, and is immune to electromagnetic and RF interference, as well as electromagnetic pulses.

Optical switches



All-optical switching

HUBER+SUHNER Polatis utilizes highly reliable piezoelectric Directlight[®] beam-steering technology to deliver a full line of all-optical switches, enabling low latency, fully transparent connections between optical fibers without requiring conversion between optical and electrical signals, offering greater flexibility and energy efficiency.

CWDM color cubes



Wavelength division multiplexing technology

Our unrivalled polymer optical bench WDM technology provides you with the smallest footprint and greatest versatility, qualified according to Telcordia GR1221 and radiation tolerant to better than 1MRad. Combined with our active optical transport solutions they provide demarcation, repeater and converter functionalities.

Connecting – today and beyond



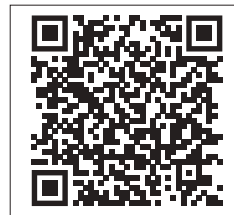
Space Catalogue



Airbus OneWeb
Brochure

For more information and to download these catalogues, scan the QR code below:

Aerospace Solutions



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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, OHSAS 18001, EN(AS) 9100, IATF 16949 and ISO/TS 22163 – IRIS.

Waiver

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