



Space matters.

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

Edition 2025/10

Core portfolio: High-end microwave connectivity

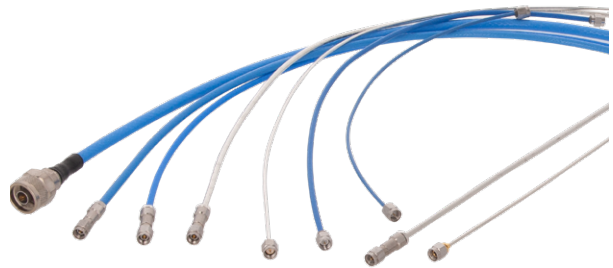
SUCOFLEX® cable assemblies



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 cable 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.

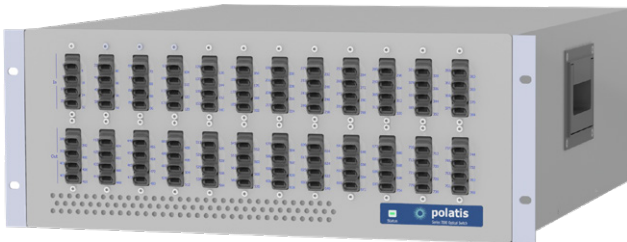
Multiport solutions



OpenVPX VITA 67.x standard based solutions enabling modular, high density, blind-mate RF backplane connections for embedded systems — VITA 67.1, .2, .3 and 66.5 available. Moreover, we offer COTS and custom-built multi-coax connections for board-to-panel links.

Extended portfolio: Electrical & optical solutions

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. Ideal for ground station integration and lab automation.

Fiber lasers



LIDAR and free space optical communication

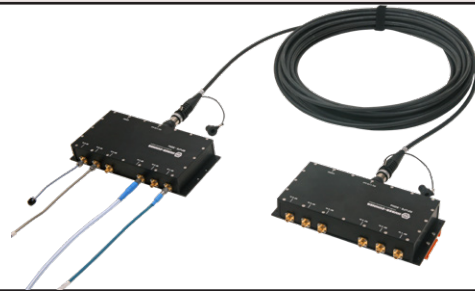
HUBER+SUHNER Bktel photonics fiber lasers and amplifiers provide high power CW or modulated optical output power in the 1, 1.3, 1.5, and 2 μm bands for air-, space-born and ground based applications. The systems come as rack-mountable or OEM modules.

LF and FO cable assemblies



Signal, power and fiberoptic harnessing for electrical and optical links onboard. Bringing together our extensive complex harness manufacturing and testing capabilities, with the broadest selection of interfaces.

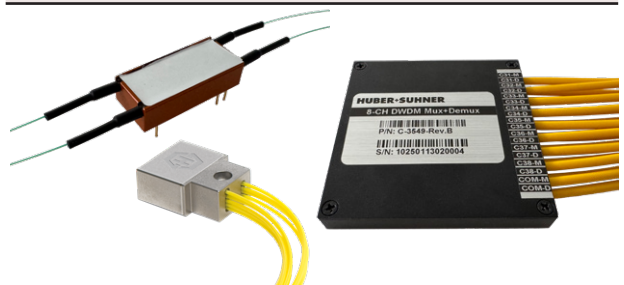
RF-over-Fiber



End-to-end hybrid solutions

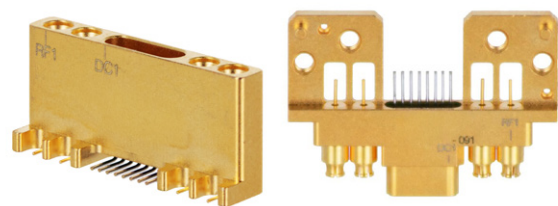
The RF-over-Fiber Series enables the use of radio frequency and fiber optics in a single connectivity link. This unique solution allows for greater distances between the RF source and the RF receiver system, and is immune to electromagnetic and RF interference, as well as electromagnetic pulses.

FO components



Small form-factor wavelength division multiplexers, optical MEMS switches, and optical splitters serving as base components for on-board optical networking. We can help you design the optimal layouts with our photonics engineers.

RF/DC hybrid connectivity



Hybrid RF/DC blind-mateable push-on interfaces using multiple SMP3-style RF connectors and Nano-D mating system into a common aerospace-grade link. Customizable to various pin counts.

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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