



Mission-Ready Space Cables

*Space grade and NewSpace cables for
ground or flight applications*

Aerospace

BizLink

Reliable cable solutions

For geostationary or low earth orbit missions (GEO & LEO)

Whether you're working on traditional space programs or the rapid innovation of NewSpace, ensuring mission success requires reliable and qualified connectivity solutions. BizLink brings decades of extensive materials, design, and processing expertise to deliver high-performance, future-proof cable solutions for the evolving space industry.

Our ESCC-certified cables are built on a foundation of deep technical knowledge, while our NewSpace cables are qualified to meet the demands of fast-paced designs and challenging budgets. By engineering advanced fluoropolymers and other low-outgassing materials, we provide durable,

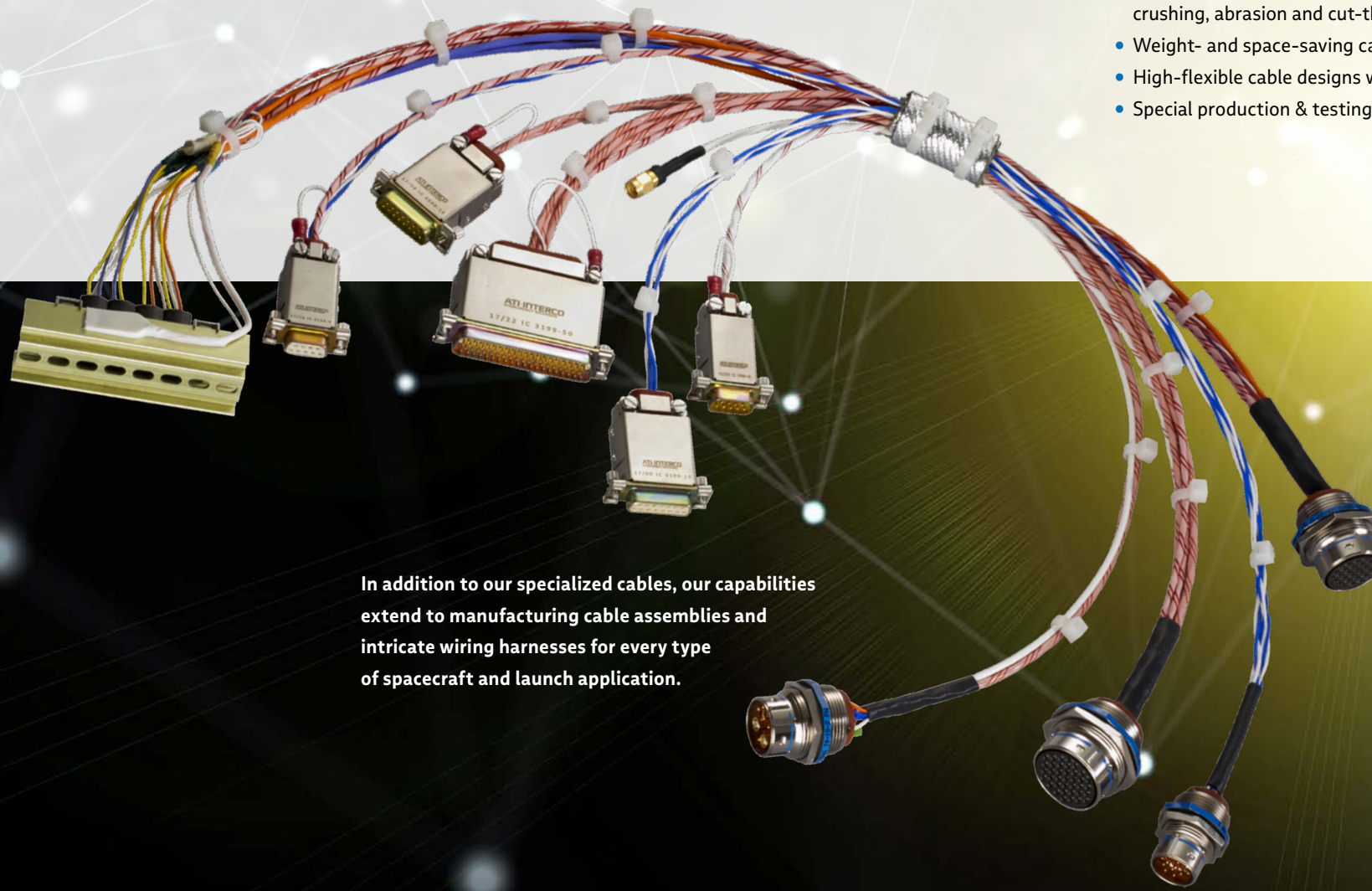
lightweight and high-speed data cables that stand up to the extreme conditions of space—including radiation, atomic oxygen, and extreme temperatures. Our comprehensive in-house testing capabilities ensure every product meets the highest standards of reliability.

With a deep understanding of your needs, we offer reliable, cost-effective, and fast-to-market solutions that ensure mission readiness in any space application.

BizLink benefits

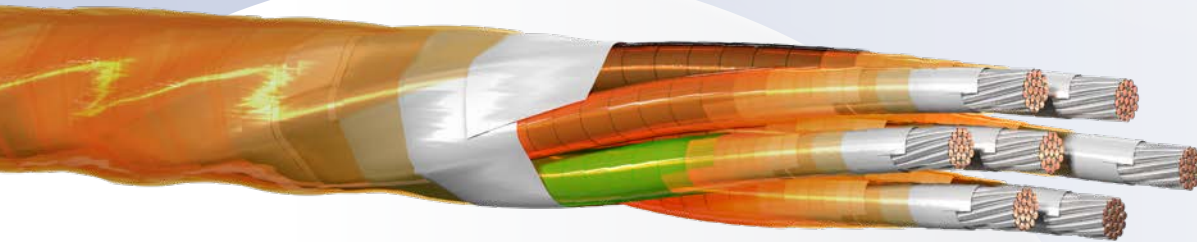
- DIN EN 9100 approved production
- Meet the requirements of ESCC 3901-018, -019, -021 space grade cables
- Meet the requirements of ESA, ECSS-Q-ST-60-13C, Annex G Class 2 NewSpace qualified cables
- NASA, EEE-INST-0002 Level 2 NewSpace qualified cables
- Excellent signal integrity in extreme conditions
- Secure high-voltage power transfer
- Low-outgassing materials
- Reliable and durable lasting protection against crushing, abrasion and cut-through
- Weight- and space-saving cable designs (SWaP)
- High-flexible cable designs with tight bending radii
- Special production & testing capabilities

In addition to our specialized cables, our capabilities extend to manufacturing cable assemblies and intricate wiring harnesses for every type of spacecraft and launch application.



Space Grade Cables & Variants

ESCC-certified



- Simplified cable harness production through clearly identifiable multicore colour coding
- ESCIES QPL and EPPL-listed, ROHS-compliant components
- Augmented AWG product range for new range of applications

ESCC 3901-018

- ATOX-resistant with specialized, chemically-inert materials
- ESA-qualified listed on the ESA QPL for flight-proven reliability
- Configuration options: 1-7 cores, AWG 12 to 32, shielded and unshielded versions

ESCC 3901-019

- Minimized SWaP with small, lightweight designs easing installation in tight spaces, reducing spacecraft launch mass
- Configuration options: 1-7 cores, AWG 12 to 30, shielded and unshielded versions

ESCC 3901-021:

- Reliable GEO power and signal connectivity with compact and flexible designs
- Includes an additional drain wire for easy shield termination
- Configuration options: 1-7 cores, AWG 12 to 30, shielded and unshielded versions



NewSpace Cables

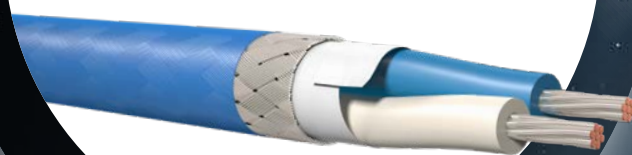
Coax (50 & 75 Ohm)

- Temperature range: -50 °C to +200 °C
- Low outgassing
TML <1 % and CVCM <0,1 %



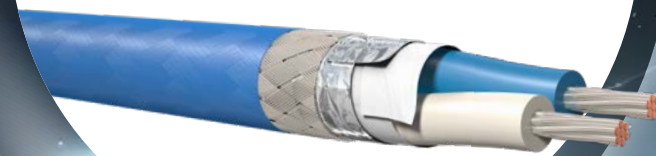
Can Bus cables (120 Ohm)

- Temperature range: -50 °C to +200 °C
- Low outgassing
TML <1 % and CVCM <0,1 %
- configuration options:
- AWG 20 to 26



Shielded twisted pair (100 Ohm)

- Suck-out free till 1 GHz
- Temperature range: -50 °C to +200 °C
- Low outgassing TML <1 % and CVCM <0,1 %
- Configuration options:
- AWG 18 to 28



Ethernet Cat 5e/Cat 6/Cat 6A/Cat 7

- For up to 10 Gbit/s
- Fulfilling 100 Base TX, 1 GBase-T and 10 GBase-T
- Temperature range: -50 °C to +200 °C
- Low outgassing TML <1 % and CVCM <0,1 %
- Configuration options:
- AWG 22 to 26



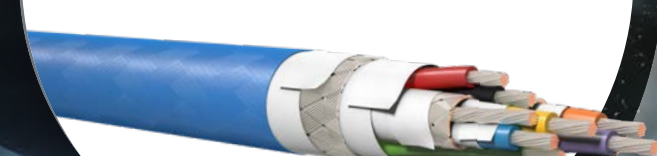
Quad (Quadrax) cables (100 & 150 Ohm)

- Temperature range: -50 °C to +200 °C
- Low outgassing TML <1 % and CVCM <0,1 %
- Configuration options:
- AWG 22 to 28



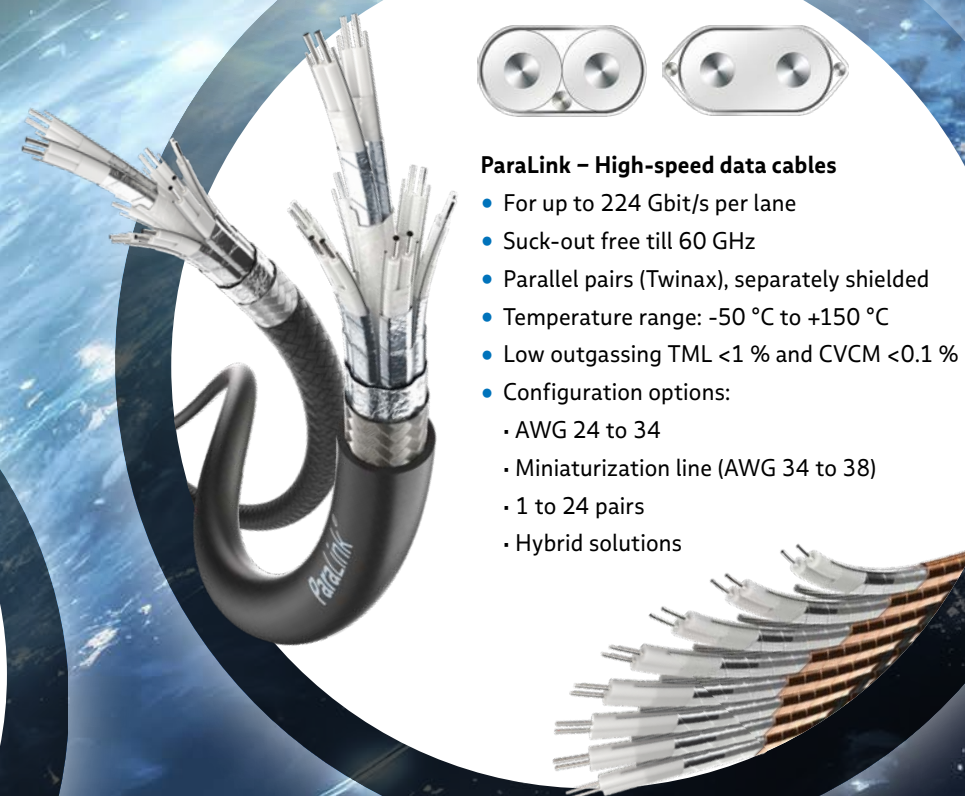
USB 3.0 cables

- Temperature range: -50 °C to +150 °C
- Low outgassing
TML <1 % and CVCM <0,1 %
- Configurable with different AWG sizes



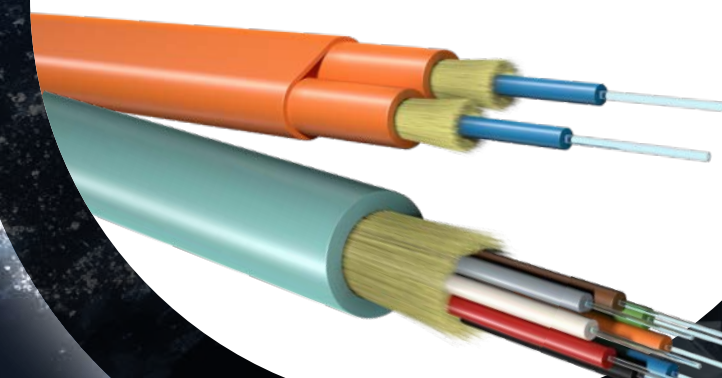
ParaLink – High-speed data cables

- For up to 224 Gbit/s per lane
- Suck-out free till 60 GHz
- Parallel pairs (Twinax), separately shielded
- Temperature range: -50 °C to +150 °C
- Low outgassing TML <1 % and CVCM <0.1 %
- Configuration options:
- AWG 24 to 34
- Miniaturization line (AWG 34 to 38)
- 1 to 24 pairs
- Hybrid solutions



Fiber optic cables

- Low outgassing TML <1 % and CVCM <0,1 %
- Single mode and multimode OM1, OM2, OM3
- Bendable, EMI- and radiation-resistant
- Temperature range:
-65 °C to +200 °C for coating type polyimide and
-55 °C to +125 °C for coating type high-temperature acrylate



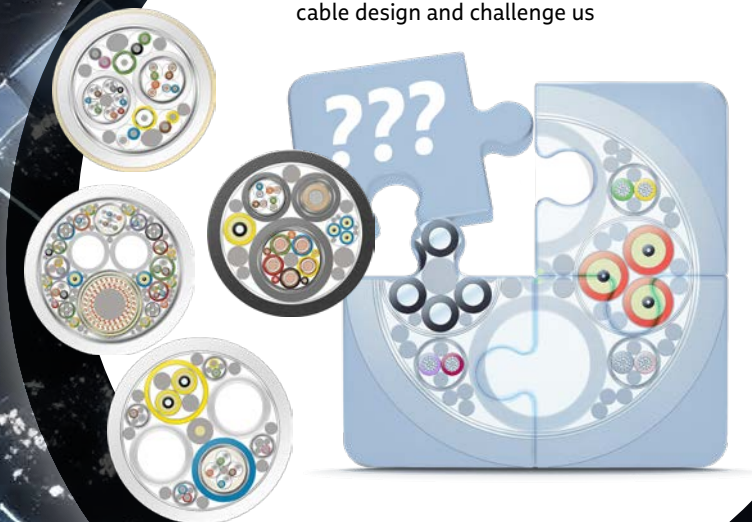
Hook-up wires

- Unshielded and shielded versions
- Voltage up to 600 V
- Temperature range: -200 °C to +200 °C
- Low outgassing
TML <1 % and CVCM <0,1 %



Your product is not listed?

Ask for your individual cable design and challenge us



Where Possibilities Connect™



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aerospace.bizlinktech.com



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