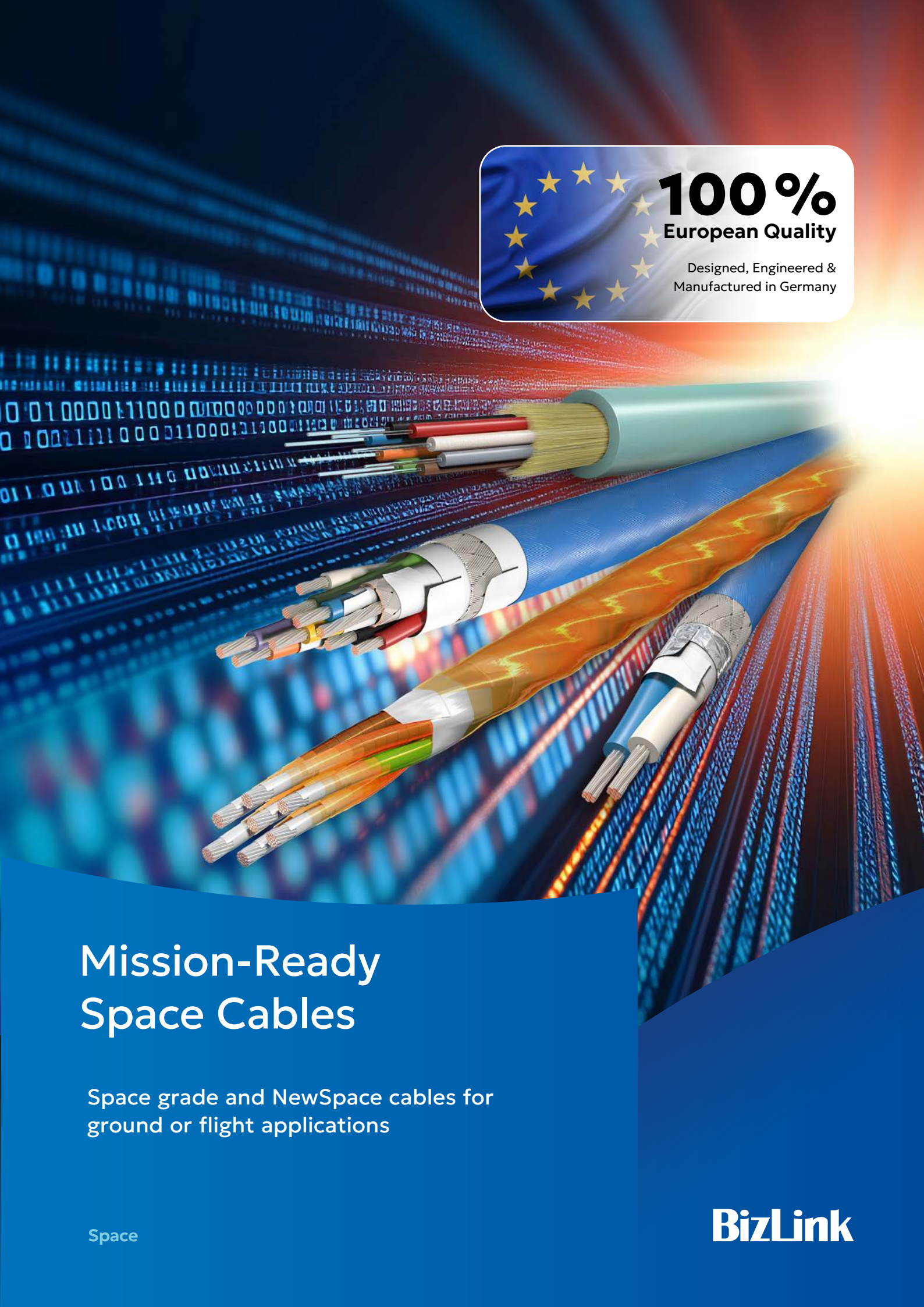




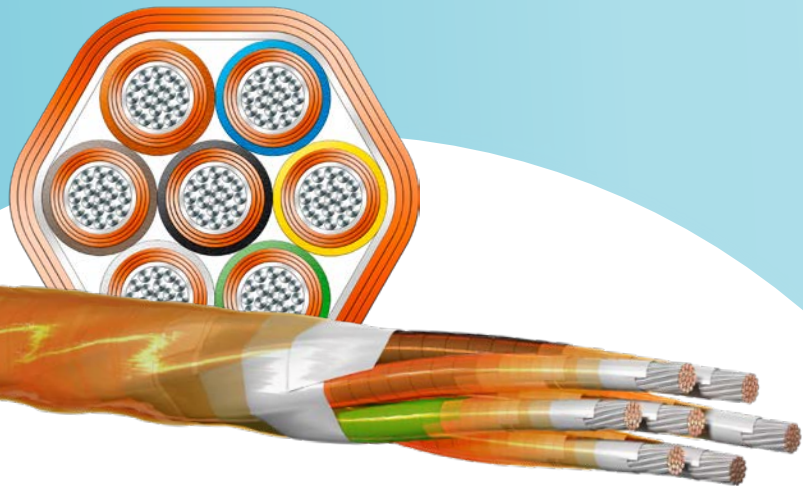
Mission-Ready Space Cables

Space grade and NewSpace cables for
ground or flight applications

Space

BizLink

Space Grade Cables & Variants



- 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

Further cables are currently undergoing ESA certification testing. Please reach out to your contact person for updates.

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.

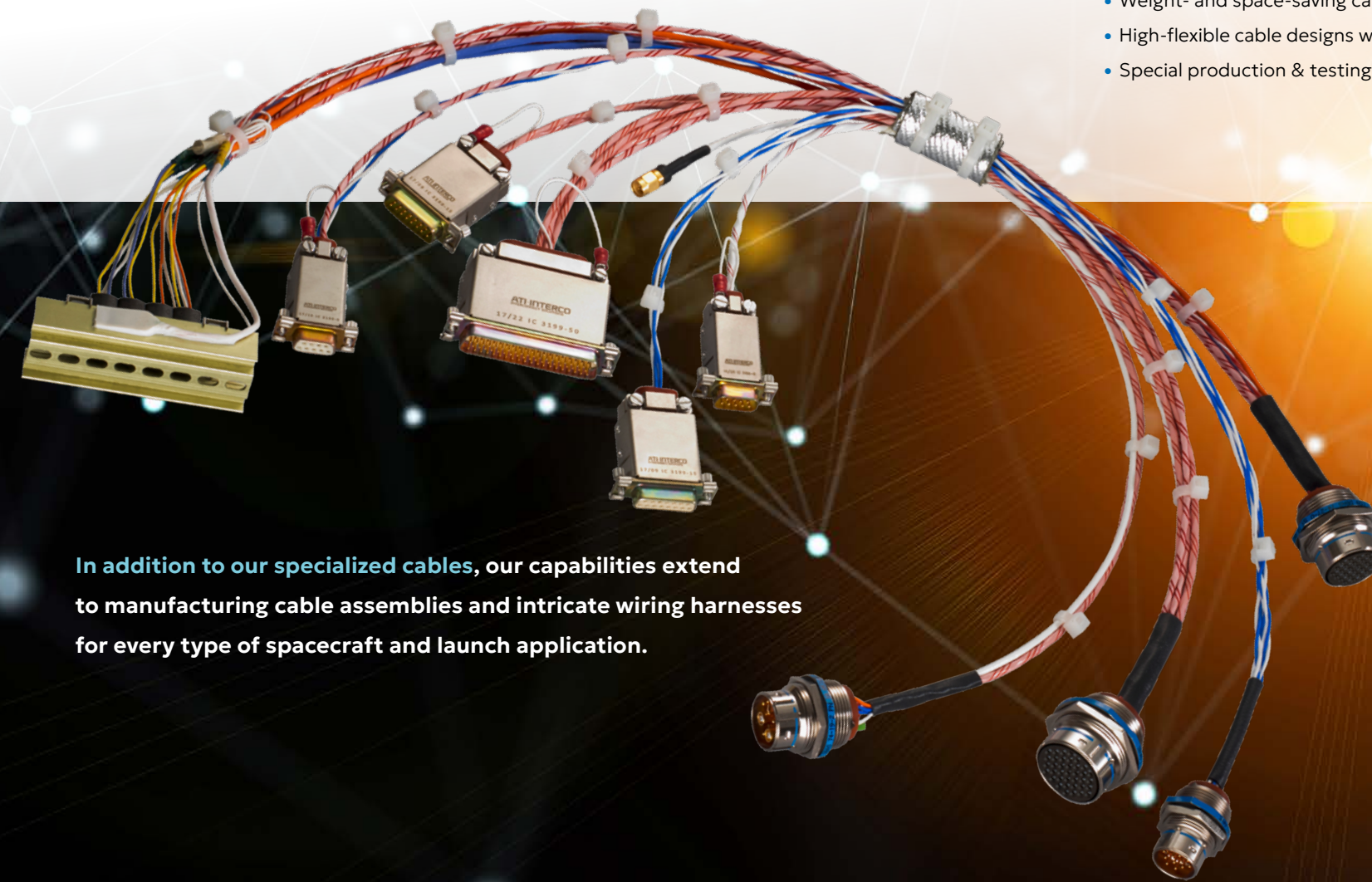
Our ESCC-certified cables are built on a foundation of deep technical knowledge, while our NewSpace cables are qualified to meet the demands of fast-paced designs and challenging budgets. By engineering advanced fluoropolymers

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 in Europe
- ESCC Space grade qualified Cables 3901-18, -019, 021
- New Space cables meet the requirements of ECSS-Q-ST-60-13C, Annex G Class 2 and NASA, EEE-INST-0002 Level 2
- 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.

NewSpace Cables

Coax (50 & 75 Ohm)

- Temperature range: -70 °C to +200 °C
- Low outgassing
TML <1 % and CVCM <0,1 %

Can Bus cables (120 Ohm)

- Temperature range: -70 °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: -70 °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: -70 °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: -70 °C to +200 °C
- Low outgassing TML <1 % and CVCM <0,1 %
- Configuration options:
 > AWG 22 to 28

USB 3.2 cables

- Temperature range: -70 °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: -70 °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, OM4
- Bendable, EMI- and radiation-resistant
- Temperature range:
 > for coating type polyimide: -65 °C to +200 °C
 > for coating type high-temperature acrylate:
 -55 °C to +125 °C

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™



Find out more
aerospace.bizlinktech.com



Contact us
space_info@bizlinktech.com

 **BizLink Group**

 **BizLink Group channel**

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