

High-
Performance
Computing

ParaLink[®] 60s

NEXT generation for
224 Gbit/s



ADVANTAGES

- With suckout free frequency range up to 60+ GHz
- Solution for 224 Gbit/s per lane transmission
- For Terabit-applications
- Supporting higher PAM modulations
- Industry-leading AWG/pair dimension ratio
- Inner-skin-technology to boost SI performance

ParaLink underlines future-proof data transmission over copper again. Twinaxial ParaLink high speed cables achieve best-in-class SI performance for up to 224 Gbit/s per pair.

All ParaLink cables are available in different AWG sizes, hybrid versions and with PVC or LSZH outer jacket.

**ParaLink[®]
cables**

up to
60+ GHz

ParaLink[®] 42s
up to
42+ GHz

ParaLink[®] 25s
up to
25 GHz

ParaLink[®] 14
up to
14 GHz

ParaLink[®] 11+
up to
10 GHz



LOWEST TOLERANCES IN MANUFACTURING

More than 50 years of experience in cable development and manufacturing have enabled us to set up high-performance production processes for our twinax ParaLink cables.

Consistent processes assure lowest tolerances for standard and customized solutions and guarantee consistent high quality output corresponding to state-of-the-art ParaLink specifications.

- ... excellent cable development expertise enabling high customization flexibility.
- ... comprehensive in-line monitoring, as well as mechanical, electrical and RF testing capabilities.
- ... standardized in-house cable productions with consistent output, including superior inner-skin technology, high precision extrusion and advanced pair shielding.

We have everything under control.
« Thanks to... »

SUPERIOR INNER-SKIN TECHNOLOGY

Our special inner-skin technology is proven to significantly improve single pair signal integrity with high frequencies of 60 GHz and beyond.

ParaLink cables for 224 G transmission with superior inner-skin technology provide...

- ... improved ParaLink pair symmetry and perfect edge of foil positioning.
- ... optimum benefit from differential coupling.
- ... up to 20 % lower insertion loss compared to no-skin solutions.

INDUSTRY-LEADING AWG/PAIR DIMENSION RATIO

Our unique skin-foam-skin dielectric technology allows for cable designs with larger wire gauge sizes while keeping the same overall pair dimensions.

ParaLink cables for 224 Gbit/s transmission are available with consistently foamed dielectrics and sizes up to AWG 34.

