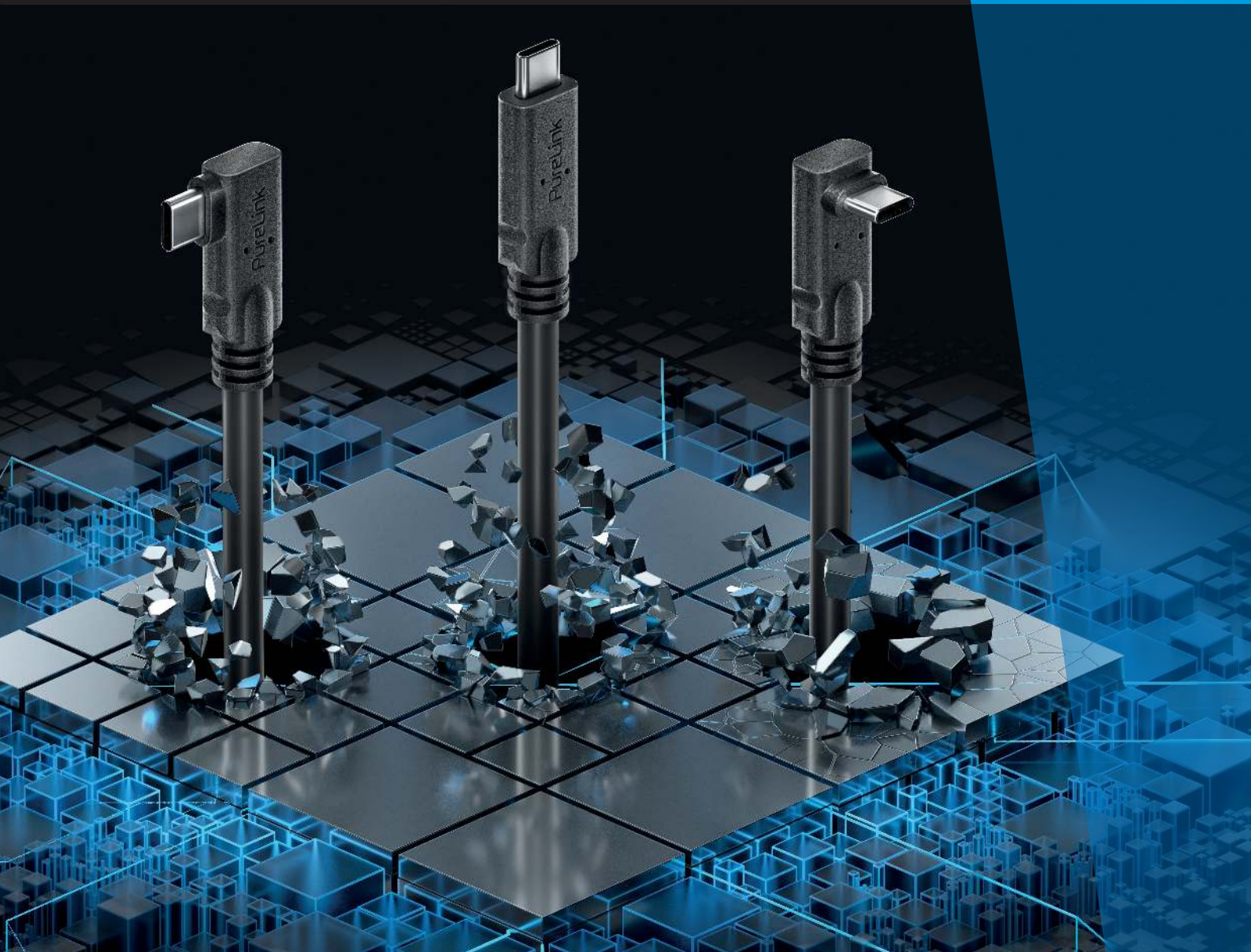


# MicroX4

---

Redefining USB-C Connectivity



# The PureInstall MicroX4 Family

## Redefining USB-C Connectivity

PureInstall MicroX4 cables revolutionise professional AV USB-C connectivity with advanced micro-coaxial design and triple-layer shielding. These cables transmit power (up to 240W), video, audio, and data over extended distances, outperforming conventional twisted-pair solutions.

Optimised for USB4 Gen2 with full backward compatibility, MicroX4 delivers exceptional signal integrity with minimal attenuation. Its coaxial structure reduces copper usage while enhancing flexibility and durability.

PureLink's proprietary locking mechanisms (TLS and SLS) ensure secure connections across standard USB-C interfaces.

**MicroX4 - not just a cable, a precision engineered solution built for long-lasting, professional performance.**



## Comprehensive USB Capabilities

Designed for speed and power, these cables deliver 20Gbps bandwidth (10Gbps per lane) and support up to 240W Power Delivery. Whether for high-speed data transfer, 8K video, or rapid charging, they ensure top-tier performance.

## Universal Compatibility

The passive design guarantees seamless connectivity across devices – no active component means no incompatibility. Optimised for stable performance, it works effortlessly with everything on the market.

## Micro Coax Construction & Durable Jacket

Advanced micro-coaxial technology ensures superior signal integrity by minimising cross talk, maintaining impedance and maximising noise rejection. While the ultra-flexible jacket coupled with the micro coax cable structure, offers exceptional durability without compromising flexibility.

## 8K Video, 20Gbps Data, 240W Power

Engineered for high-bandwidth applications; 8K video via 4-lane Alt-Mode, ultra-fast data transfers up to 20Gbps, and high-power EPR charging, making it ideal for cutting-edge AV setups and professional use.

## Dual Locking Methods

SLS – The integrated Secure-Lock-System – available with PI6500 – ensures 25N strong retention, compatible with all standard USB-C ports with no extra components needed.

TLS – The unique removable USB-C Tru-Lock-System - compatible with all MicroX4 cables - provides up to 80N retention force. The locking screw clips are even available in various colours to enable fast, on-site cable identification.

## Future-Proof Technology

A smart e-Marker enhances communication across all connected devices, handling all power requirements, Alt-Mode device handshakes and legacy product communication for full backward compatibility. While the FCC function coding enables quick, easy identification.

| Feature               | PI6500 / PI6600 | Competitor   |
|-----------------------|-----------------|--------------|
| Cable Technology      | Micro Coax      | Twisted Pair |
| USB Version           | U4 Gen2x2       | U4 Gen2x2    |
| Maximum Bandwidth     | 20Gbps          | 20Gbps       |
| Colour Coding         | ✓               | ✗            |
| Locking               | ✓               | ✗            |
| Shielding             | Triple          | Double       |
| EMI/RFI Rejection     | Excellent       | Average      |
| Flexibility           | Excellent       | Average      |
| Bend Radius           | Excellent       | Average      |
| Multi-Bend Durability | Excellent       | Poor         |
| Maximum PD            | 240W            | 240W         |
| Maximum Length        | 5.00m           | 2.00m        |

USB-C ↔ USB-C



PureInstall MicroX4 - USB4 Gen2 USB-C Cable, Passive

- Passive USB4 Gen2x2 – 20Gbps (4m & 5m up to 10Gbps), downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C male with dual locking system (SLS & TLS)
- Micro coax data transmission for improved noise rejection, flexibility and range
- E-marker, USB PD 240W 48V / 5A EPR (3.00-5.00m up to 100W SPR) up to 8K 30Hz

| Item No.   |                       | Length |
|------------|-----------------------|--------|
| PI6500-005 | Passive, 20Gbps, 240W | 0.50m  |
| PI6500-010 | Passive, 20Gbps, 240W | 1.00m  |
| PI6500-015 | Passive, 20Gbps, 240W | 1.50m  |
| PI6500-020 | Passive, 20Gbps, 240W | 2.00m  |
| PI6500-030 | Passive, 20Gbps, 100W | 3.00m  |
| PI6500-040 | Passive, 10Gbps, 100W | 4.00m  |
| PI6500-050 | Passive, 10Gbps, 100W | 5.00m  |



PureInstall MicroX4 Tru-Lock - Removable ProAV Locking Clip for USB-C

- Unique removable locking clip
- Integrated tightening screw
- Designed to work with MicroX4 USB-C range
- Ultra-secure connection for all USB-C connectors with a standard mounting hole
- Ideal for professional AV applications



| Item No.  | Colour | Pcs | Item No.  | Colour | Set   |
|-----------|--------|-----|-----------|--------|-------|
| PI-TLS100 | black  | 1   | PI-TLS110 | black  | 10pcs |
| PI-TLS101 | white  | 1   | PI-TLS111 | white  | 10pcs |
| PI-TLS102 | blue   | 1   | PI-TLS112 | blue   | 10pcs |
| PI-TLS103 | red    | 1   | PI-TLS113 | red    | 10pcs |
| PI-TLS104 | green  | 1   | PI-TLS114 | green  | 10pcs |
| PI-TLS105 | yellow | 1   | PI-TLS115 | yellow | 10pcs |



Proprietary Locking Options for USB-C

TLS for permanent screw locking  
SLS for semi-permanent connections.



## USB-C ↔ USB-C



## PureInstall MicroX4 - USB4 Gen2 USB-C Cable, Passive

- Passive USB4 Gen2x2 – 20Gbps (4m & 5m up to 10Gbps), downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C male, compatible with TLS locking
- Micro coax data transmission for improved noise rejection, flexibility and range
- E-marker, USB PD 240W 48V / 5A EPR (3.00-5.00m up to 100W SPR) up to 8K 30Hz

| Item No.   |                       | Length |
|------------|-----------------------|--------|
| PI6600-005 | Passive, 20Gbps, 240W | 0.50m  |
| PI6600-010 | Passive, 20Gbps, 240W | 1.00m  |
| PI6600-015 | Passive, 20Gbps, 240W | 1.50m  |
| PI6600-020 | Passive, 20Gbps, 240W | 2.00m  |
| PI6600-030 | Passive, 20Gbps, 100W | 3.00m  |
| PI6600-040 | Passive, 10Gbps, 100W | 4.00m  |
| PI6600-050 | Passive, 10Gbps, 100W | 5.00m  |



## USB-C ↔ USB-C



## PureInstall MicroX4 - USB4 Gen2 USB-C M/F Cable, Passive

- Passive USB4 Gen2x2 – 20Gbps, downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C female, compatible with TLS locking and ICS
- Micro coax data transmission for improved noise rejection, flexibility and range
- USB PD 240W 48V / 5A EPR up to 8K 30Hz\* (3.00m up to 100W SPR)

| Item No.   |                        | Length |
|------------|------------------------|--------|
| PI6630-005 | Passive, 20Gbps, 240W* | 0.50m  |
| PI6630-010 | Passive, 20Gbps, 240W* | 1.00m  |
| PI6630-015 | Passive, 20Gbps, 240W* | 1.50m  |
| PI6630-020 | Passive, 20Gbps, 240W* | 2.00m  |
| PI6630-030 | Passive, 20Gbps, 100W* | 3.00m  |

\*dependant on cable being connected



## Micro Coax Technology with Triple Shielding

### TLS Locking

TLS upgrade available with optional clip

### SLS Locking

SLS available only for PI6500 cables



USB-C ↔ USB-C



PureInstall MicroX4 - USB4 Gen2 USB-C 90° (Up/Down) Cable, Passive

- Passive USB4 Gen2x2 – 20Gbps (4m & 5m up to 10Gbps), downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C male 90° (Up/Down), compatible with TLS locking
- Micro coax data transmission for improved noise rejection, flexibility and range
- E-marker, USB PD 240W 48V / 5A EPR (3.00-5.00m up to 100W SPR) up to 8K 30Hz

| Item No.   |                       | Length |
|------------|-----------------------|--------|
| PI6610-005 | Passive, 20Gbps, 240W | 0.50m  |
| PI6610-010 | Passive, 20Gbps, 240W | 1.00m  |
| PI6610-015 | Passive, 20Gbps, 240W | 1.50m  |
| PI6610-020 | Passive, 20Gbps, 240W | 2.00m  |
| PI6610-030 | Passive, 20Gbps, 100W | 3.00m  |
| PI6610-040 | Passive, 10Gbps, 100W | 4.00m  |
| PI6610-050 | Passive, 10Gbps, 100W | 5.00m  |



USB-C ↔ USB-C



PureInstall MicroX4 - USB4 Gen2 USB-C 90° (Left/Right) Cable, Passive

- Passive USB4 Gen2x2 – 20Gbps (4m & 5m up to 10Gbps), downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C male 90° (Left/Right), compatible with TLS locking
- Micro coax data transmission for improved noise rejection, flexibility and range
- E-marker, USB PD 240W 48V / 5A EPR (3.00-5.00m up to 100W SPR) up to 8K 30Hz

| Item No.   |                       | Length |
|------------|-----------------------|--------|
| PI6620-005 | Passive, 20Gbps, 240W | 0.50m  |
| PI6620-010 | Passive, 20Gbps, 240W | 1.00m  |
| PI6620-015 | Passive, 20Gbps, 240W | 1.50m  |
| PI6620-020 | Passive, 20Gbps, 240W | 2.00m  |
| PI6620-030 | Passive, 20Gbps, 100W | 3.00m  |
| PI6620-040 | Passive, 10Gbps, 100W | 4.00m  |
| PI6620-050 | Passive, 10Gbps, 100W | 5.00m  |



Superior Passive Micro Coax Cables  
Built for professional long-range performance



Micro coax technology overcomes the limitations of twisted pair cables, enabling passive transmission up to 5m with superior performance.

Compared to traditional cables, micro coax offers significantly lower signal attenuation, minimal reflections, and reduced loss and crosstalk, ensuring a cleaner, more reliable signal. Its physical properties make cables more supple, and highly resistant to regular bending, enhancing durability.

USB-C ↔ USB-C

**PureInstall MicroX4 - USB4 Gen2 USB-C M/F 90° (Up/Down) Portsaver, Passive**

- Passive USB4 Gen2x2 – 20Gbps, downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male 90° (Up/Down) to USB-C female
- Micro coax data transmission for improved noise rejection, flexibility and range
- USB PD 240W 48V / 5A EPR up to 8K 30Hz\*

**Item No.****Length**

PIA610

Passive, 20Gbps, 240W\*

0.10m

*\*dependant on cable being connected*

USB-C ↔ USB-C

**PureInstall MicroX4 - USB4 Gen2 USB-C M/F 90° (Left/Right) Portsaver, Passive**

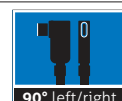
- Passive USB4 Gen2x2 – 20Gbps, downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male 90° (Left/Right) to USB-C female
- Micro coax data transmission for improved noise rejection, flexibility and range
- USB PD 240W 48V / 5A EPR up to 8K 30Hz\*

**Item No.****Length**

PIA620

Passive, 20Gbps, 240W\*

0.10m

*\*dependant on cable being connected*

USB-C ↔ USB-C

**PureInstall MicroX4 - USB4 Gen2 USB-C M/F Portsaver, Passive**

- Passive USB4 Gen2x2 – 20Gbps, downward compatible
- Silver-plated copper (SPC) conductors for lowest possible resistance
- USB-C male to USB-C female, compatible with TLS locking
- Micro coax data transmission for improved noise rejection, flexibility and range
- USB PD 240W 48V / 5A EPR up to 8K 30Hz\*

**Item No.****Length**

PIA630

Passive, 20Gbps, 240W\*

0.10m

*\*dependant on cable being connected***USB-C**

**Connect | Control | Collaborate | Charge**  
with one single cable



8K60 video with  
DP Alt-Mode



Keyboard, mouse,  
speakerphone, webcam



4K camera, videobar,  
SSD storage



Fast charging of laptops,  
tablets and phones

## **PureLink GmbH**

Von-Liebig-Str. 10  
D - 48432 Rheine  
Germany

+49 (0)5971 800 299-0

[www.PureLink.de](http://www.PureLink.de)

All information without responsibility for errors  
in photography and typography. Specifications  
are subject to change without notice.

© 2025 PureLink GmbH®. All rights reserved.  
All mentioned trademarks (product names, logos)  
and brand names are the property of  
their respective owners.  
HDMI® is a registered trademark of HDMI  
Licensing Administrator, Inc.