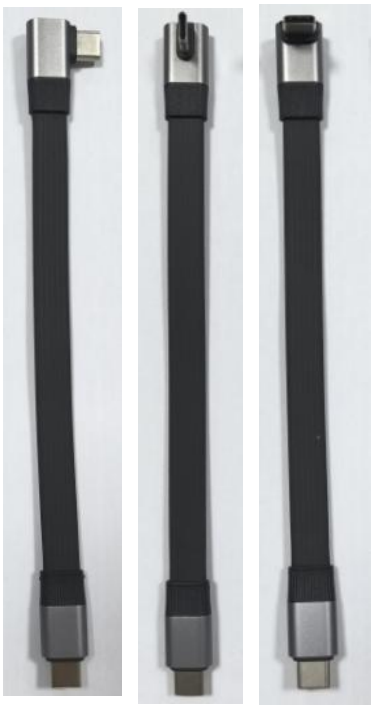
Technical data sheet

CU582RA/CU582RC/CU582RD USB4 V2.0 Cable

Version: A/0

【Product Picture】



【Product Description】

The CU582RA / CU582RC / CU582RD series are high-performance USB4 V2 full-feature flat cables designed with 90-degree angled connectors for versatile usage. Featuring aluminum alloy housing and TPE jacket with nickel-plated connectors,these cables provide stable 80Gbps high-speed transmission, up to 240W PD charging, and support up to 8K@60Hz video output. Perfect for compact workspaces, gaming setups, and mobile device connections.

【Tech Specs】

Technical Specification	Description	
Model	CU582RA , CU582RC ,CU582RD	
Color	Black	
Connector Type	USB Type-C	
Cable Type	USB Type-C Male to Type-C Male Cable	
Cable Structure	Flat Cable	
Connector Design	CU582RA:Straight-to-Center-Symmetrical 90°	
	CU582RC:Straight-to-Right-Angle 90° 1	
	CU582RD:Straight-to-Right-Angle 90° 2	
Cable Length	0.13m , 0.2m, 0.8m , 1.0m,1.2m,2.0m	
USB Version	USB4 V2.0	
Data Transfer Speed	0.13m,0.2m,0.8m	Up to 80Gbps
	1.0m,1.2m	Up to 40Gbps
	2.0m	Up to 20Gbps
Video Transmission	0.13m,0.2m,0.8m,1.0m,1.2m	Up to 8K@60Hz
	2.0m	Up to 4K@60Hz
Power Delivery Support	0.13m,0.2m,0.8m,1.0m,1.2m	240W (48V/5A)
	2.0m	60W (20V/3A)
Connector Material	Nickel-plated	
Plug & Play	Yes	
Compatibility	Thunderbolt 4/3, USB4,USB 3.2, USB 3.1, USB PD	
Material	Aluminum Alloy + TPE	

【Features】

1. **High Speed Transmission:** Supports up to 80Gbps ultra-fast data transfer.
2. **Strong Power Delivery:** Delivers up to 240W PD charging.
3. **8K Video Output:** Enables crystal-clear 8K@60Hz or 4K@60Hz video depending on length.
4. **90-Degree Design:** Offers multiple connector angle options for space-saving and ergonomic usage.
5. **Durable Build:** Aluminum alloy + TPE jacket for flexibility and reliability.
6. **Universal Compatibility:** Works with laptops, tablets, smartphones, docking stations, and monitors.

【Application Environment】

1. **Office Use:** Ideal for docking stations, displays, and power delivery setups.
2. **Gaming Setup:** Perfect for angled connections in tight spaces.
3. **Mobile Devices:** Convenient for tablets and smartphones with PD fast charging.
4. **Professional AV:** Supports high-resolution 8K displays and high-bandwidth workflows.

【Important Notice】

1. **Length Limitation:** Performance (speed, power, and video) depends on cable length as specified in Tech Specs.
2. **Device Compatibility:** For maximum performance, ensure connected devices support USB4 v2.0 and PD 3.1.
3. **Charging Capability:** 240W requires a compatible PD 3.1 power adapter; 2.0m cable supports up to 60W only.
4. **Video Output:** Actual resolution depends on the capabilities of source and display devices.
5. **Cable Handling:** Avoid excessive bending to maintain signal integrity and product longevity.