

USB from Hirose Electric:
Standard connections, inspired solutions.



Features

- 1 **USB Type-C compliant interface connector**
 - USB4 Gen.2 (10Gbps), high speed transmission
- 2 **Uses micro coaxial cable**
 - Thin and soft cable for easy handling
 - Excellent high-speed transmission characteristics and flexibility
- 3 **3 types of double-ended plug cable assembly available**
 - Slim Type, Screw Locking Type (Dual Screw/Single Screw)




Wide Variation


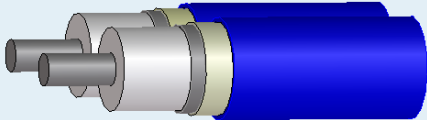
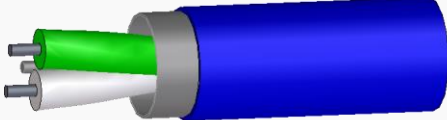


Click Feeling



USB4

	 Micro Coaxial Cable	STP
Softness (Flexibility)	Very Good	Poor
Flexural Strength	Very Good	Poor
Cable Outer Diameter	Good (ø4.8)	Fair (ø5 Min.)
High-Speed Transmission Characteristics (Initial)	Very Good	Good
High-Speed Transmission Characteristics (50,000 bends)	Very Good (10Gbps)	Poor (10Gbps)
Price	Fair	Good

Type	 Micro Coaxial Cable	STP
Design		
	<ul style="list-style-type: none">- A coaxial cable is used for the SuperSpeed line.- Coaxial characteristic impedance is 45Ω- The SuperSpeed line consists of 2 coaxial cables per pair and 4 sets of coaxial cable pairs (8 cables)	<ul style="list-style-type: none">- STP used for the SuperSpeed line.- STP's characteristic impedance is 90Ω- STP 4-cable configuration
Features	<ul style="list-style-type: none">- Relatively expensive- The cable is soft.- The cable resists characteristic degradation caused by bending.- The coaxial cable has a rigid shield design. It has high frequency, low attenuation and high stability.	<ul style="list-style-type: none">- Cheap- A set of rigid cable pairs.- The cable characteristics degrade when bended.- Electric properties have low stability due to the design.- The twin-core twisted pair design stabilizes the internal skew.

*STP: Shielded Twisted Pair