

USB from Hirose Electric:  
Standard connections, inspired solutions.



Wide Variation

Click Feeling

USB4

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)



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HRS Micro Coaxial Cable		STP	Type	HRS Micro Coaxial Cable		STP
Softness (Flexibility)	Very Good	Poor	Design			
Flexural Strength	Very Good	Poor		<ul style="list-style-type: none"> <li>- A coaxial cable is used for the SuperSpeed line.</li> <li>- Coaxial characteristic impedance is 45Ω</li> <li>- The SuperSpeed line consists of 2 coaxial cables per pair and 4 sets of coaxial cable pairs (8 cables)</li> </ul>		<ul style="list-style-type: none"> <li>- STP used for the SuperSpeed line.</li> <li>- STP's characteristic impedance is 90Ω</li> <li>- STP 4-cable configuration</li> </ul>
Cable Outer Diameter	Good (ø4.8)	Fair (ø5 Min.)		<ul style="list-style-type: none"> <li>- Relatively <b>expensive</b></li> <li>- The cable is <b>soft</b>.</li> <li>- The cable <b>resists characteristic degradation caused by bending</b>.</li> <li>- The coaxial cable has a rigid shield design. It has <b>high frequency</b>, <b>low attenuation</b> and <b>high stability</b>.</li> </ul>		<ul style="list-style-type: none"> <li>- <b>Cheap</b></li> <li>- A set of <b>rigid cable pairs</b>.</li> <li>- The cable characteristics degrade when bended.</li> <li>- Electric properties have <b>low stability</b> due to the design.</li> <li>- The twin-core twisted pair design <b>stabilizes the internal skew</b>.</li> </ul>
High-Speed Transmission Characteristics (Initial)	Very Good	Good	Features			
High-Speed Transmission Characteristics (50,000 bends)	Very Good (10Gbps)	Poor (10Gbps)				
Price	Fair	Good				

\*STP: Shielded Twisted Pair