

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)



Oct. 1, 2022 Copyright 2022 HIROSE ELECTRIC CO., LTD. All Rights Reserved.

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"> - 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
Cable Outer Diameter	Good (ø4.8)	Fair (ø5 Min.)		<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.
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