

USB from Hirose Electric: Standard connections, inspired solutions



Features

- 1 Excellent high-speed transmission characteristics and flexibility by using micro coaxial cable.
- 2 USB3.1.Gen2(10Gbps), High-speed transmission (TID No: 5,220,000,534)
- 3 Thin and soft cable for easy handling
- 4 Unique lock design provides a clear tactile click



Reversible



High-Speed



USB PD

	HRS Micro coaxial cable	STP
Softness (Flexibility)	◎	×
Flexural Strength	◎	×
Cable Outer Diameter	Φ3.8-4.8	Φ5 Min.
High-Speed Transmission Characteristics (Initial)	◎	△
High-Speed Transmission Characteristics (50,000 bends)	◎ (10Gbps)	×

*◎: Excellent ○: Good △: Satisfactory ×: Poor

Type	HRS Micro coaxial cable	STP
Design		
	- A coaxial cable is used for the super-speed line. - Coaxial characteristic impedance is 45Ω - 4 sets of coaxial cable pairs (8 cables)	- STP used for the super-speed line. - STP's characteristic impedance is 90Ω - STP 4-cable configuration
Features	- 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.	- A collection of pairs of rigid cables. - 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