

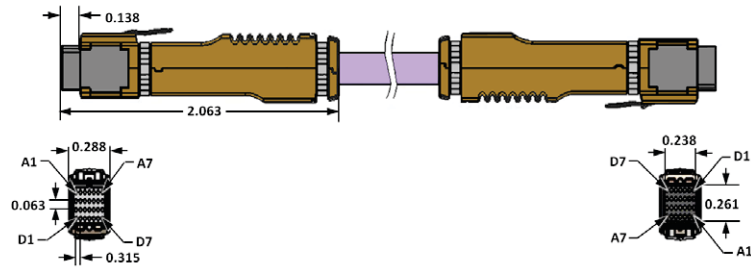


HD4™

HD4C – Differential Pair Twinax Copper Cable Assembly

HD4™ high-density cable assemblies are designed for differential pair, twinax applications. These cable assemblies come in two standard lengths but custom lengths and configurations can also be requested.

DIMENSIONS



Sample Part Number Format: HD4C-028-30-100-S08



HD4C
 SERIES
 Differential Pair,
 Twinax Assembly,
 Copper

028
 CONTACTS
 028 – 28 Contacts

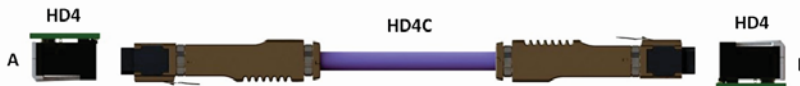
30
 CONTACT PLATING
 30 – 30 μ" Au
 50 – 50 μ" Au

100
 IMPEDANCE VALUE
 085 – 85 Ω
 100 – 100 Ω

S
 WIRE TYPE
 S – Solid conductor
 C – Stranded wire

08
 LENGTH*
 03 – 0.3 M
 04 – 0.4 M
 05 – 0.5 M
 06 – 0.6 M
 07 – 0.7 M
 08 – 0.8 M
 09 – 0.9 M
 10 – 1.0 M
 15 – 1.5 M
 20 – 2.0 M
 30 – 3.0 M

Insertion Loss (Point A to Point B)



	0.5 Meter	1 Meter	1.5 Meters	2 Meters	2.5 Meters	3.0 Meters
85 Ω	3.5 dB	7 dB	10.5 dB	14 dB	17.5 dB	21 dB
100 Ω	3 dB	6 dB	8.9 dB	11.9 dB	14.9 dB	17.9 dB

PLEASE CONSULT THE AIRBORN WEBSITE FOR THE LATEST REVISION OF THIS DOCUMENT PRIOR TO BEGINNING ANY DESIGN WORK.

FEATURES

HD4™ connectors feature a low mating force/high-reliability contact system with four points of contact. HD4™ cables incorporate an integrated management interface accessed over I²C to query cable details such as unique device serial number, cable length, and cable nominal impedance.



		COLUMN						
		1	2	3	4	5	6	7
ROW	A	VDD	TX1p	TX1n	Gnd	TX3p	TX3n	SCL
	B	Gnd	TX2p	TX2n	Gnd	TX4p	TX4n	Gnd
	C	SS	Rx2p	Rx2n	Gnd	Rx4p	Rx4n	SDA
	D	Gnd	Rx1p	Rx1n	Gnd	Rx3p	Rx3n	Gnd

MATERIALS and FINISHES

Pin Contact: BeCu per ASTM-B194
 Contact Finish: Localized gold finish per MIL-G-45204 over nickel per ASTM-B689 Type I
 Molded Insulators: Glass-filled liquid crystal polymer (LCP) per ASTM-D5138

NOTE: AirBorn can manufacture other configurations to your exact specifications.

PERFORMANCE

Contact Rating 1 amperes maximum
 Operating Temperature -55° to 125° C
 Contact Wipe 1.5 mm (0.060")
 Contact Normal Force 35-40 grams
 Max Recommended Voltage 200 VDC
 Insulation Resistance 1,000 megaohms @ 600 VDC
 Durability 1000 connector mating cycles
 Sinusoidal Vibration 15 g (EIA-364-28, condition IV)
 Random Vibration TBD
 Shock 100 g (EIA-364-27, condition G)

NOTE: Performance values are estimates at this time. Actual values will be determined when final product testing is complete.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Ethernet Cables / Networking Cables](#) category:

Click to view products by [AirBorn](#) manufacturer:

Other Similar products are found below :

[73-6670-7](#) [73-6680-15](#) [73-7797-25](#) [MCJB2-10P6Q7-120](#) [84909-0204](#) [1200700174](#) [1200860368](#) [E16A06002M030](#) [E200102-009-S1](#)
[AX105346-EW](#) [MT14-187L](#) [17-103530](#) [ERWPAB3002M005](#) [190-038045-01](#) [NK5EPC18RDY](#) [NK5EPC18VLY](#) [NK5EPC18YLY](#)
[NK5EPC1GRY](#) [NK5EPC4Y](#) [NK5EPC6YLY](#) [NK5EPC8BLY](#) [NK5EPC9YLY](#) [1969343-6](#) [C501100010](#) [C501106002](#) [C501106007](#)
[C501106015](#) [C501106025](#) [C601102010](#) [C601104010](#) [C601106007](#) [C601106015](#) [2142758-2](#) [2168427-2](#) [CAT1106007](#) [21949-1](#) [2J1866A](#)
[RJF SFTP 5E 0500](#) [AX100351](#) [MN14CEC/ST](#) [C501100015](#) [C501106004](#) [C501106010](#) [C5F1108007](#) [C601104004](#) [C601106004](#)
[CA21106004](#) [CA21106010](#) [CA21106015](#) [CA21109007](#)