

**CBVH68EV2-x Datasheet**  
Product Revision: Rev A  
Premium VHDCI 68-pin Male-Female Cables

**CBVH68EV2-x Rev A Specifications**

Wire	28 AWG, 34 twisted pairs
Wire shielding	Aluminum foil and aluminum braid with drain wire
Wire outer diameter	9.8mm nominal
Wire jacket color	Black
Male Connector	VHDCI 68-pin Male, Metal shell, offset, 9.6mm Typ. Thickness (offset design allows connectors to fit back-to-back onto a stacked connector; 9.6mm thickness allows adjacent stacked connectors on NI equipment.)
Female Connector	VHDCI 68-pin Female, Overmolded, 18mm Typ. Thickness
Termination	Soldered
Pin mapping	All 1:1
Standard lengths	CBVH68EV2-3 (3ft), CBVH68EV2-6 (6ft), CBVH68EV2-10 (10ft)

**Pin Numbering**



**Twisted Pairs and Color Code**

Each ‘&’ below indicates twisted pairing, for example 1 & 35 are a pair.

Pin 1: Black	&	Pin 35: Black / White	Pin 18: Light Yellow / White	&	Pin 52: Light Yellow / Black
Pin 2: Brown	&	Pin 36: Brown / White	Pin 19: Orange / White	&	Pin 53: Grey / White
Pin 3: Red	&	Pin 37: Red / Black	Pin 20: Purple / Red	&	Pin 54: Blue / Red
Pin 4: Orange	&	Pin 38: Orange / Black	Pin 21: Purple / Blue	&	Pin 55: Purple / Green
Pin 5: Yellow	&	Pin 39: Yellow / Black	Pin 22: Grey / Red	&	Pin 56: Grey / Blue
Pin 6: Green	&	Pin 40: Green / Black	Pin 23: Grey / Yellow	&	Pin 57: Grey / Green
Pin 7: Blue	&	Pin 41: Blue / White	Pin 24: Orange / Red	&	Pin 58: Yellow / Red
Pin 8: Purple	&	Pin 42: Purple / Black	Pin 25: Light Yellow / Red	&	Pin 59: Light Yellow / Blue
Pin 9: Grey	&	Pin 43: Grey / Black	Pin 26: Yellow / Green	&	Pin 60: Orange / Green
Pin 10: White	&	Pin 44: White / Black	Pin 27: Green / Blue	&	Pin 61: Green / Red
Pin 11: Pink	&	Pin 45: Pink / Black	Pin 28: Pink / Green	&	Pin 62: Pink / Yellow
Pin 12: Light Blue	&	Pin 46: Light Blue / Black	Pin 29: Pink / Red	&	Pin 63: Pink / Blue
Pin 13: White / Brown	&	Pin 47: White / Orange	Pin 30: Light Green	&	Pin 64: Light Green / Black
Pin 14: White / Red	&	Pin 48: White / Blue	Pin 31: Light Green / Green	&	Pin 65: Light Green / Yellow
Pin 15: White / Yellow	&	Pin 49: White / Green	Pin 32: Light Green / Red	&	Pin 66: Light Green / Blue
Pin 16: Red / White	&	Pin 50: Green / White	Pin 33: Light Blue / Red	&	Pin 67: Light Blue / Green
Pin 17: Light Yellow / Green	&	Pin 51: Light Yellow	Pin 34: Light Blue / Yellow	&	Pin 68: Light Blue / Blue
			Shell-Shell: Drain wire		

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## Datasheet Revisions

- 10/25/2024: Initial release