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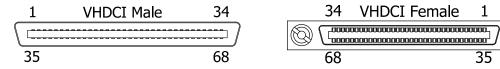
CBVH68EV2-x Datasheet

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 2: Brown		Pin 36: Brown / White
Pin 3: Red		Pin 37: Red / Black
Pin 4: Orange		Pin 38: Orange / Black
Pin 5: Yellow	&	Pin 39: Yellow / Black
Pin 6: Green	&	Pin 40: Green / Black
Pin 7: Blue	&	Pin 41: Blue / White
Pin 8: Purple	&	Pin 42: Purple / Black
Pin 9: Grey	&	Pin 43: Grey / Black
Pin 10: White	&	Pin 44: White / Black
Pin 11: Pink	&	Pin 45: Pink / Black
Pin 12: Light Blue		Pin 46: Light Blue / Black
Pin 13: White / Brown	&	Pin 47: White / Orange
Pin 14:White / Red	&	Pin 48: White / Blue
Pin 15: White / Yellow		Pin 49: White / Green
Pin 16: Red / White		Pin 50: Green / White
Pin 17: Light Yellow / Green		Pin 51: Light Yellow

Pin 18: Light Yellow / White	&	Pin 52: Light Yellow / Black
Pin 19: Orange / White		Pin 53: Grey / White
Pin 20: Purple / Red		Pin 54: Blue / Red
Pin 21: Purple / Blue		Pin 55: Purple / Green
Pin 22: Grey / Red	&	Pin 56: Grey / Blue
Pin 23: Grey / Yellow	&	Pin 57: Grey / Green
Pin 24: Orange / Red	&	Pin 58: Yellow / Red
Pin 25: Light Yellow / Red	&	Pin 59: Light Yellow / Blue
Pin 26: Yellow / Green	&	Pin 60: Orange / Green
Pin 27: Green / Blue	&	Pin 61: Green / Red
Pin 28: Pink / Green	&	Pin 62: Pink / Yellow
Pin 29: Pink / Red	&	Pin 63: Pink / Blue
Pin 30: Light Green	&	Pin 64: Light Green / Black
Pin 31: Light Green / Green	&	Pin 65: Light Green / Yellow
Pin 32: Light Green / Red	&	Pin 66: Light Green / Blue
Pin 33: Light Blue / Red		Pin 67: Light Blue / Green
Pin 34: Light Blue / Yellow		Pin 68: Light Blue / Blue
Shell-Shell: Drain wire		

Notices

- 1. Drawings and specifications are subject to change without notice.
- 2. Winford Engineering, LLC does not authorize any of its products for use in military, medical or other life-critical systems and/or devices. Life-critical devices/systems include devices or systems which, a) are intended for surgical implantation into the body, or b) support or sustain life and whose failure to perform can be reasonably expected to result in injury. Winford Engineering, LLC products are not designed with the components required, and are not subject to the testing required to ensure a level of reliability suitable for the treatment and diagnosis of people. Winford Engineering, LLC shall not be held responsible or liable for damages or injury that occur as a result of the use of this product.

Datasheet Revisions

• 10/25/2024: Initial release