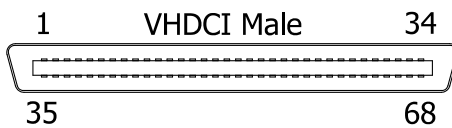


CBVH68MV2-x Datasheet
Product Revision: Rev A
Premium VHDCI 68-pin Male-Male Cables

CBVH68MV2-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 |
| Connectors (both) | 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.) |
| Termination | Soldered |
| Pin mapping | All 1:1 |
| Standard lengths | CBVH68MV2-1 (1ft), CBVH68MV2-1.33 (1.33ft), CBVH68MV2-3 (3ft), CBVH68MV2-6 (6ft), CBVH68MV2-10 (10ft), CBVH68MV2-15 (15ft), CBVH68MV2-20 (20ft) |

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 | | |

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

- 06/26/2024: Initial release
- 07/03/2024: Added note regarding stacked connectors on NI equipment
- 10/25/2024: Added 15ft standard length