# CBMT002 | DATASHEET

OPTO ENGINEERING

## 15 wires cable, DB15HD Male to DB15HD Female connector, 2 m

Opto Engineering® provides various kinds of cables to match our offer of illuminators, optics, cameras and accessories.
All the cables we offer meet industrial standards of robustness and durability.

## SPECIFICATIONS

### Electrical specifications

| | | |
|---|---|---|
| Type | | Control |
| Number of poles | | 15 |
| Conductor cross section | (AWG) | 24 |
| Cable diameter | (mm) | 6.9 |
| Cable length | (m) | 2 |
| Cable insultation material | | PVC |
| Shield | | Yes |
| Bending cycles | (cycles) | - |
| Minimum bending radius | (mm) | 70 |
| Side 1 | | DB15HD male connector |
| Side 2 | | DB15HD female connector |
| Other | | - |
| Voltage rating | (VDC) | 24 |
| Current rating | (A) | 1.33 |

### Environment

| | | |
|---|---|---|
| Operating temperature | (°C) | 0-50 |

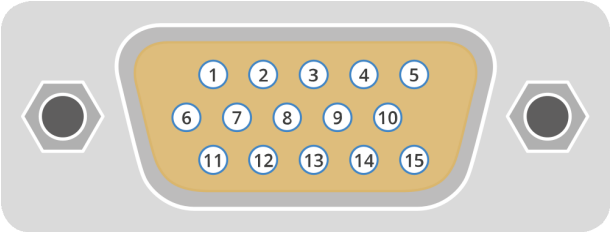
## COMPATIBLE PRODUCTS

**Full list of compatible products available *here*.**

A wide selection of innovative machine vision components.

All product specifications and data are subject to change without notice to improve reliability, functionality, design or other. Photos and pictures are for illustration purposes only. Data are reported by design, actual lens performance may vary due to manufacturing tolerances.

## CONNECTOR PINOUT




| Pin | Name | Description |
|---|---|---|
| **1** | 5V | 5V encoder power supply |
| **2** | GND | 0V encoder reference ground |
| **3** | ENC_A+ | Encoder quadrature signal – A + |
| **4** | ENC_B+ | Encoder quadrature signal – B + |
| **5** | ENC_Z+ | Encoder quadrature signal – Z + |
| **6** | MOT_A+ | Motor – Phase A + |
| **7** | MOT_B+ | Motor – Phase B + |
| **8** | ENC_A- | Encoder quadrature signal – A - |
| **9** | ENC_B- | Encoder quadrature signal – B - |
| **10** | ENC_Z- | Encoder quadrature signal – Z - |
| **11** | MOT_A- | Motor – Phase A - |
| **12** | MOT_B- | Motor – Phase B - |
| **13** | N.C. | - |
| **14** | N.C. | - |
| **15** | N.C. | - |

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