

4MT5  
(CYJV CABLE ASSEMBLY)



## Basic features

|                     |                            |
|---------------------|----------------------------|
| Application         | DeviceNet Thin             |
| Approval/Conformity | CE<br>cULus<br>EAC<br>WEEE |

## Electrical connection

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Bending radius min., fixed cable    | 5 x D                                |
| Bending radius min., flexible cable | 10 x D                               |
| Cable                               | PVC Shielded gray, 2 m               |
| Cable diameter D                    | 7.00 mm ±0.40 mm                     |
| Conductor cross-section             | 22 AWG/24 AWG                        |
| Connection                          | M12x1-Male, Straight, 5-pin, A-coded |
| Connector configuration             | Straight                             |
| Number of conductors                | 4                                    |
| Number of pins                      | 5                                    |
| System                              | Molded                               |

## Electrical data

|                                  |                             |
|----------------------------------|-----------------------------|
| Cable rated voltage AC max.      | 300 V                       |
| Cable rated voltage DC max.      | 300 V                       |
| Conductor construction           | 2x2 twisted-pair            |
| Conductor resistance             | ≤ 16.5 Ohm/1000 ft          |
| Coupling resistance max.         | 120 Ohm ±12 Ohm             |
| Isolation resistance             | ≥ 20 MOhm x km at 20 °C     |
| Line attenuation at 1 MHz max.   | 0.70 dB/100 ft              |
| Line attenuation at 125 kHz max. | 0.29 dB/100 ft              |
| Line attenuation at 500 kHz max. | 0.50 dB/100 ft              |
| Operating voltage $U_b$          | 60 VDC / 60 VAC             |
| Rated current (40 °C)            | 4.0 A                       |
| Surge impedance                  | 120 Ohm ±12 Ohm/AWG24 1 MHz |

## Environmental conditions

|                                  |                   |
|----------------------------------|-------------------|
| Ambient temperature              | -20...80 °C       |
| Cable temperature, fixed routing | -20...80 °C       |
| IP rating                        | IP67, IP68, IP69K |

## Material

|                             |                                |
|-----------------------------|--------------------------------|
| Cable jacket material, note | Shielded                       |
| Cable jacket, material      | PVC                            |
| Cable shield                | Aluminum foil and copper braid |
| Material contact carrier    | PUR                            |
| Material contacts           | Brass                          |
| Material cover nut          | Die-cast zinc                  |
| Material grip               | PUR                            |

Single-Ended Cordsets  
**BCC M415-0000-2A-030-VS85N6-020**  
Order Code: BCC0E00



**Mechanical data**

Cable jacket, color gray

Cable length L 2.00 m

Tightening torque pigtail 0.6 Nm

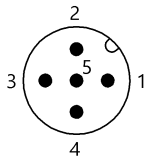
**Remarks**

Cable construction acc. to CMG 75°C or CL2

Flame resistant per UL 1685 (CSA FT4)

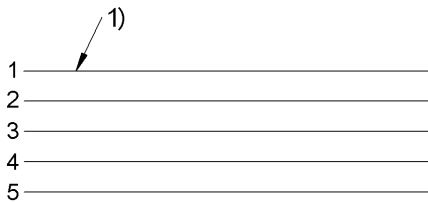
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

**Connector Drawings**



- PIN 1: shield
- PIN 2: red, Pair 1
- PIN 3: black, Pair 1
- PIN 4: white, Pair 2
- PIN 5: blue, Pair 2

**Wiring Diagrams**



1) Shield on PIN 1