

4MT5
(CYJV CABLE ASSEMBLY)



Basic features

Approval/Conformity	CE cULus EAC WEEE
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Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR Shielded violet, 2 m, Drag chain compatible
Cable diameter D	7.20 mm ±0.30 mm
Cable, bending cycles min.	1 million
Conductor cross-section	22 AWG/24 AWG
Connection	M12x1-Female, Straight, 5-pin, A-coded
Connector configuration	Straight
Number of conductors	4
Number of pins	5
System	Molded

Electrical data

Conductor construction	2x2 twisted-pair
Conductor resistance	(AWG 22) 59.4 Ohm/km at 20 °C (AWG 24) 94.2 Ohm/km at 20 °C
Coupling resistance max.	50 mOhm/m at 100MHz
Isolation resistance	≥ 20 MOhm x km at 20 °C
Line attenuation at 1 MHz max.	2.3 dB/100 m AWG 24
Operating capacitance	nom. 40 pF/m AWG 24 at 20 °C
Operating voltage U_b	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A
Surge impedance	120 Ohm ±12 Ohm/AWG24 3-20 MHz

Environmental conditions

Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-20...80 °C
IP rating	IP67, IP68, IP69K

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Plastic laminated aluminum foil Copper braid, tin-plated
Material contact carrier	PUR
Material contacts	Bronze
Material cover nut	Die-cast zinc
Material grip	PUR

Single-Ended Cordsets
BCC M415-0000-1A-067-PS75N6-020
Order Code: BCC09MJ

BALLUFF

Mechanical data

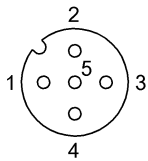
Acceleration max., drag chain 5 m/s²
Cable jacket, color violet

Cable length L 2.00 m
Cable properties Drag chain compatible
Tightening torque pigtail 0.6 Nm
Traverse speed max., drag chain 200 m/min

Remarks

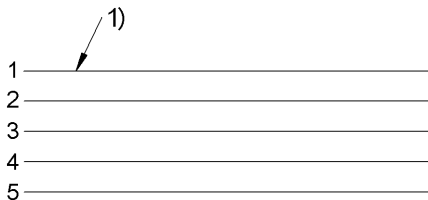
Cable construction acc. to UL-AWM Style 20236
Flame resistance acc. to IEC 60332-1 and VW1 UL1581
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



- PIN 1: shield
- PIN 2: red (AWG22)
- PIN 3: black (AWG22)
- PIN 4: white (AWG24)
- PIN 5 blue (AWG24)

Wiring Diagrams



1) Shield on PIN 1