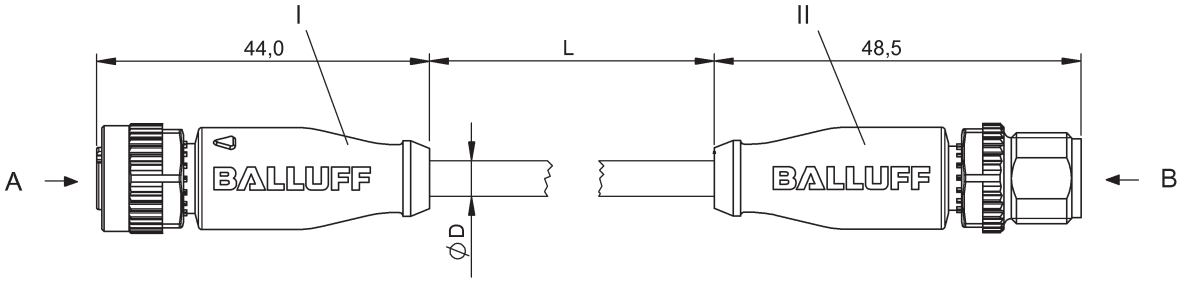
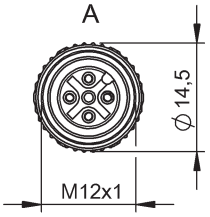
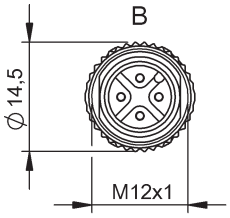
Connector/cable

BCC M415-M414-3A-304-PX0434-003
BCC039H

BALLUFF
sensors worldwide







- **Male M12**
- **Female M12**
- **straight / straight**

c UL us LISTED 4MT5 (CYJV CABLE ASSEMBLY)

General attributes

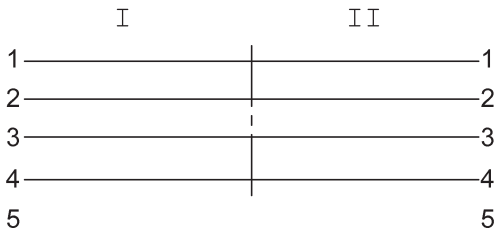
Additional features	Drag chain compatible
Approvals / Conformity	cULus LISTED
Cable jacket color	black
Enclosure Type per IEC 60529	IP68 / IP68
Function indicator (PIN 2)	No / No
Function indicator (PIN 4)	No / No
Power indicator	No

Electrical attributes

Operating voltage UB max. AC [V]	250.0 V
Operating voltage UB max. DC [V]	250.0 V
Rated current (40°C)	4.0 A
Switching function	Complementary (NO/NC)
Switching output	No

Mechanical attributes

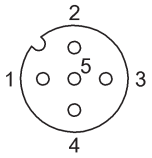
Acceleration max. (drag chain)	5 m/s²
Ambient temp. max. (fixed)	90 °C (UL 80 °C)
Ambient temp. max. (moving)	90 °C (UL 80 °C)
Ambient temp. max.(drag chain)	60 °C
Ambient temp. min. (fixed)	-50 °C
Ambient temp. min. (moving)	-25 °C
Ambient temp. min.(drag chain)	-25 °C
Bending cycles	> 5 Mio.
Bending radius fixed cable	min. 5 x D
Bending radius tensioned cable	min. 10 x D



Cable diameter D	4.7 +/- 0.20 mm
Cable jacket material	PUR
Cable length L [m]	0.30 m
Conductor cross-section	0.34 mm²
Connector configuration	straight / straight
Connector type	M12x1 / M12x1
Connector type (Header I)	Male M12
Connector type (Header II)	Female M12
Contact material	CuSn / CuZn
Cover nut material	GD-Zn / GD-Zn
Drag chain compatible	Yes
Grip material	PUR / PUR
Number of conductors	4
Number of female/male pins	5 / 4
Permiss.horizon. traverse dist	at 5 m/sec² 5 m
Permiss.vert. traverse dist	at 5 m/sec² 2 m
System	molded / molded
Tightening torque pigtail	0.6 Nm / 0.6 Nm
Traverse speed max(drag chain)	at 5 m horiz. travel 200 m/min

Additional text

Enclosure type accord. to IEC 60529, when threaded together with theappropriate counterpart.
Halogen-free per IEC 60754-1
Flame resistant per IEC 332-2
Raw Cable Approval UL+CSA, UL-AWM Style 21198 or 20549



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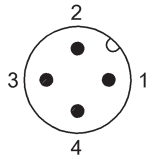

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