

- Female M12
- straight

**General attributes**

Additional features	Drag chain compatible
Approvals / Conformity	cULus LISTED
Cable jacket color	yellow
Enclosure Type per IEC 60529	IP67
Function indicator	No
Function indicator (PIN 2)	No
Function indicator (PIN 4)	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/s <sup>2</sup>
Ambient temp. max. (fixed)	105 °C
Ambient temp. max. (moving)	105 °C
Ambient temp. max. (drag chain)	60 °C
Ambient temp. min. (fixed)	-40 °C
Ambient temp. min. (moving)	-5 °C
Ambient temp. min. (drag chain)	-5 °C
Bending cycles	> 2 Mio.

Bending radius fixed cable	min. 5 x D
Bending radius tensioned cable	min. 10 x D
Cable diameter D	5.0 +/- 0.15 mm
Cable jacket material	PVC
Cable length L [m]	10.00 m
Conductor cross-section	22 AWG
Connector configuration	straight
Connector type	M12, A-coded
Connector type (Header I)	Female M12
Contact material	CuZn
Cover nut material	GD-Zn
Drag chain compatible	Yes
Grip material	polyether TPU
Number of conductors	4
Number of female/male pins	5
Permiss.horizon. traverse dist	at 5 m/sec <sup>2</sup> 5 m
Permiss.vert. traverse dist	at 5 m/sec <sup>2</sup> 2 m
System	molded
Tightening torque pigtail	0.6 Nm
Traverse speed max(drag chain)	at 5 m horiz. travel 200 m/min

**Additional text**

Cable Conductors according to UL-Style 10493  
 Raw Cable Approval UL-AWM Style 2661 & CSA AWM I/II A/B  
 Flame-Retardant per IEC 60332-2

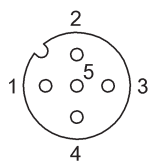
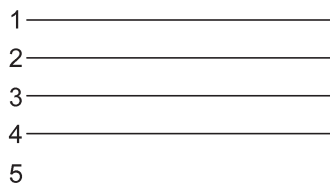
Connector/cable

**BCC M415-0000-1A-003-VX44T2-100**

**Order code: BCC05FK**

**BALLUFF**

*sensors worldwide*



PIN 1: brown  
PIN 2: white  
PIN 3: blue  
PIN 4: black