



- Female M12
- Male M12
- 90°angle / straight



**General attributes**

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

**Electrical attributes**

Operating voltage UB max. AC [V]	250.0 V
Operating voltage UB max. DC [V]	250.0 V
Switching function	Normally open (NO)
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)	-25 °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	4.5 +/- 0.15 mm
Cable jacket material	PVC
Cable length L [m]	0.30 m
Conductor cross-section	0.34 mm <sup>2</sup>
Connector configuration	90°angle / straight
Connector type	M12x1 / M12x1
Connector type (Header I)	Female M12
Connector type (Header II)	Male M12
Contact material	CuZn / CuZn
Cover nut material	GD-Zn / GD-Zn
Drag chain compatible	Yes
Grip material	PUR / PUR
Number of conductors	3
Number of female/male pins	5 / 3
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 / 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 the appropriate counterpart.  
 Cable structure according to UL-AWM Style 2517

Connector/cable

**BCC M425-M413-3A-300-VX8334-003**

**Order code: BCC038P**

