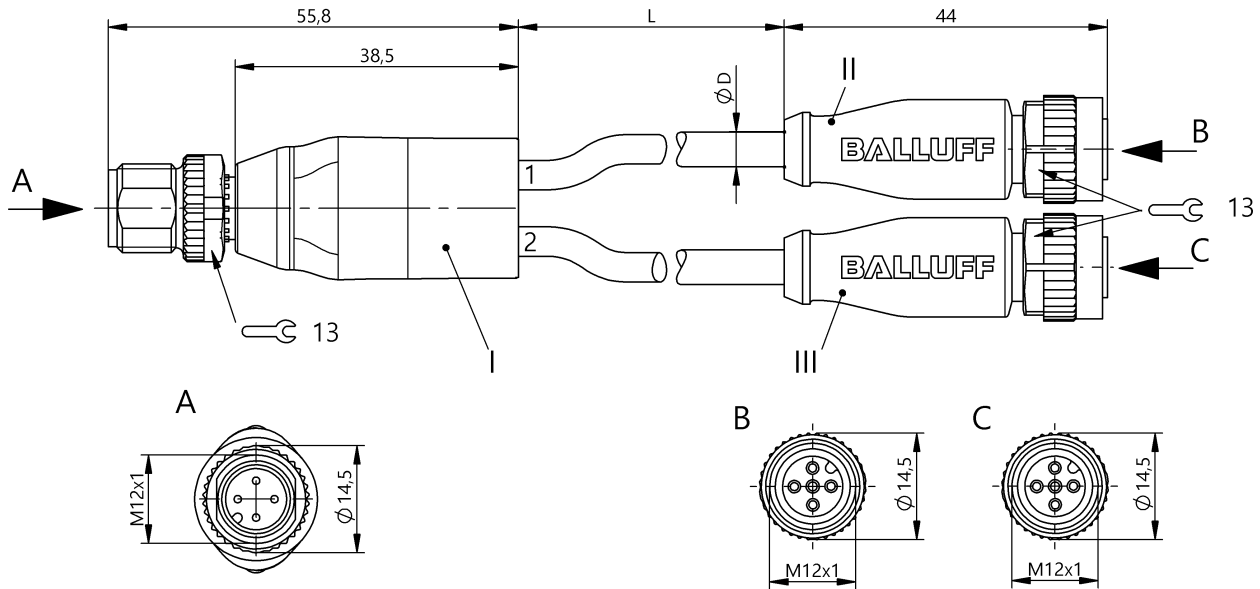


## Y-Splitters

BCC M414-M415-M415-U2018-002

Order Code: BCC0A0J

# BALLUFF



### Basic features

Approval/Conformity	CE WEEE
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### Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable diameter D	4.50 mm ±0.15 mm
Cable, bending cycles min.	2 mil.
Conductor cross-section	0.34 mm <sup>2</sup>
Connection 1	M12x1-Male, straight, 4-pin, A-coded
Connection 2	M12x1-Female, straight, 5-pin, A-coded
Connection 3	M12x1-Female, straight, 5-pin, A-coded
Connector 01, version	straight
Connector 02, version	straight
Connector 03, version	straight
Number of conductors	3/3
Number of pins	4/5/5
System	Molded/Molded/Molded

### Electrical data

Operating voltage U <sub>b</sub>	250 VDC / 250 VAC
Rated current (40 °C)	4.0 A

### Environmental conditions

Cable temperature UL max., fixed routing	105 °C
Cable temperature UL max., flexible routing	80 °C
Cable temperature, drag chain	-5...60 °C
Cable temperature, fixed routing	-40...105 °C
Cable temperature, flexible routing	-5...105 °C
IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K

### Material

Cable jacket, material	PVC
Material contact carrier	PUR/PUR/PUR
Material contacts	Brass/Bronze/Bronze
Material cover nut	Die-cast zinc/Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR/PUR

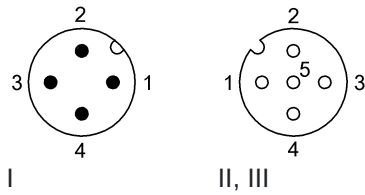
### Mechanical data

Acceleration max., drag chain	5 m/s <sup>2</sup>
Cable jacket, color	gray
Cable length L	0.20 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

Remarks

Cable construction acc. to UL-AWM Style 2517  
Flame resistance acc. to IEC 60332-2 and VW1 (UL1581)  
Silicone-free  
Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



Wiring Diagrams

