

Double-Ended Cordsets  
**BCC M425-M415-3A-312-PY3534-100**  
**Order Code: BCC0M9J**

**BALLUFF**



**Basic features**

Application	Welding area
Approval/Conformity	CE cULus WEEE

**Electrical connection**

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	PUR welding spark resistant Orange, 10 m, drag chain compatible
Cable diameter D	5.30 mm ±0.20 mm
Cable, bending cycles min.	5 mil.
Cable, torsion stress	±360°/m
Conductor cross-section	0.34 mm <sup>2</sup>
Connection 1	M12x1-Female, angled, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 5-pin, A-coded
Number of conductors	5
System	Molded/Molded

**Electrical data**

Operating voltage Ub	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A

**Environmental conditions**

Cable temperature, drag chain	-25...60 °C
Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-25...80 °C
IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K

**Interface**

Switching output	Complementary
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**Material**

Cable jacket material, note	welding spark resistant
Cable jacket, material	PUR
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

**Mechanical data**

Acceleration max., drag chain	5 m/s <sup>2</sup>
Cable jacket, color	Orange
Cable length L	10.00 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/0.6 Nm
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	2 m

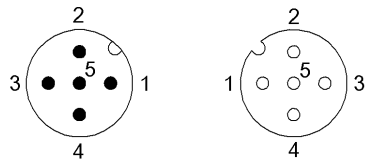
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**Remarks**

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.  
 Cable construction acc. to UL-AWM Style 20549  
 Halogen-free per DIN VDE 0472 Part 815  
 LABS-free  
 Flame resistance per UL FT2  
 Cable marking according to MgU-I-B09-41  
 Weld spark resistant according to MgU-I-B09-41

**Connector Drawings**



<p>II</p> <p>PIN 1: brown</p> <p>PIN 2: white</p> <p>PIN 3: blue</p> <p>PIN 4: black</p> <p>PIN 5: gray</p>	<p>I</p> <p>PIN 1: brown</p> <p>PIN 2: white</p> <p>PIN 3: blue</p> <p>PIN 4: black</p> <p>PIN 5: gray</p>
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**Wiring Diagrams**

