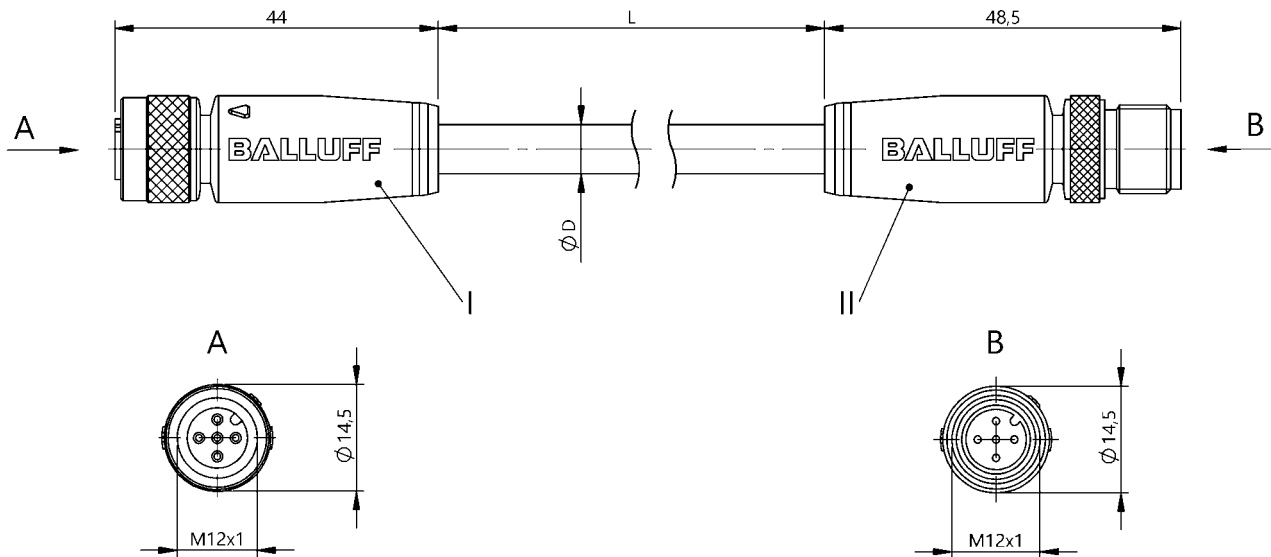


Double-Ended Cordsets
BCC M415-M415-3A-330-PS85N6-030
Order Code: BCC0FM6

BALLUFF



Basic features

Application	DeviceNet Thin
Approval/Conformity	CE cULus WEEE

Electrical connection

Bending radius min., flexible cable	10 x D
Cable	PUR Shielded gray, 3 m, drag chain compatible
Cable diameter D	7.60 mm ±0.25 mm
Cable, bending cycles min.	1 mil.
Conductor cross-section	22 AWG/24 AWG
Connection 1	M12x1-Female, straight, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 5-pin, A-coded
Number of conductors	4
System	Molded/Molded

Electrical data

Cable rated voltage AC max.	300 V
Cable rated voltage DC max.	300 V
Conductor construction	2x2 twisted-pair
Operating voltage Ub	60 VDC / 60 VAC
Rated current (40 °C)	4.0 A
Surge impedance	120 Ohm ±12 Ohm

Remarks

Bulk cable approval per UL-AWM 20626 or CSA AWM I/II A/B 80°C 300V FT1
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Environmental conditions

IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K
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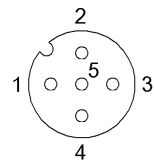
Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

Mechanical data

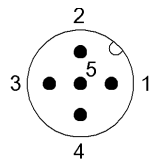
Cable jacket, color	gray
Cable length L	3.00 m
Cable properties	drag chain compatible
Tightening torque pigtail	0.6 Nm/0.6 Nm

Connector Drawings



I

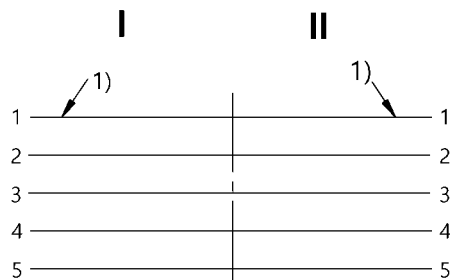
PIN 1: shield
PIN 2: red (AWG22)
PIN 3: black (AWG22)
PIN 4: white (AWG24)
PIN 5 blue (AWG24)



II

PIN 1: shield
PIN 2: red (AWG22)
PIN 3: black (AWG22)
PIN 4: white (AWG24)
PIN 5 blue (AWG24)

Wiring Diagrams



1) Shield on PIN 1