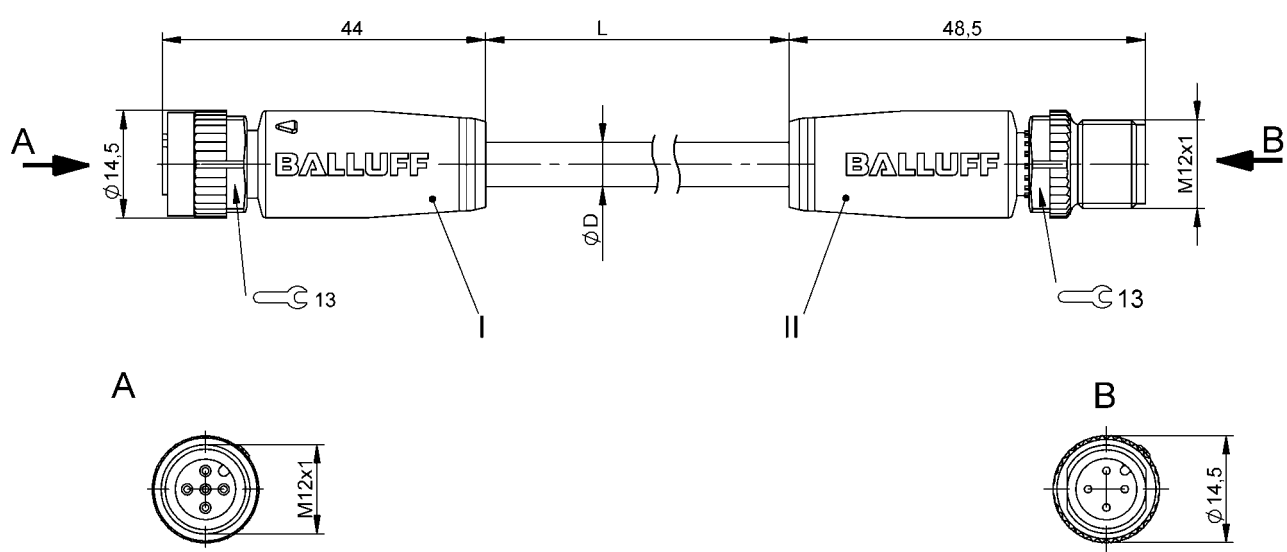


Double-Ended Cordsets
BCC M415-M414-3A-337-PS24N7-050
Order Code: BCC0H31

BALLUFF



Basic features

Application	CC-Link
Approval/Conformity	CE cULus WEEE

Electrical connection

Bending radius min., fixed cable	4 x D
Bending radius min., flexible cable	8 x D
Cable	PUR Shielded Red, 5 m, drag chain compatible
Cable diameter D	8.50 mm
Cable, bending cycles min.	1.5 mil.
Conductor cross-section	20 AWG
Connection 1	M12x1-Female, straight, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 4-pin, A-coded
Number of conductors	3
System	Molded/Molded

Electrical data

Isolation resistance	≥ 10 GOhm x km
Operating voltage Ub	250 VDC / 250 VAC
Rated current (40 °C)	4.0 A
Surge impedance	110 Ohm ±15 Ohm

Environmental conditions

Cable temperature, fixed routing	-40...80 °C
IP rating	IP67, IP68, IP69K/IP67, IP68, IP69K

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Copper braid, tin-plated
Material contact carrier	PUR/PUR
Material contacts	Bronze/Brass
Material cover nut	Die-cast zinc/Die-cast zinc
Material grip	PUR/PUR

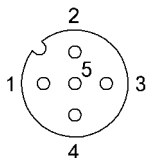
Mechanical data

Cable jacket, color	Red
Cable length L	5.00 m
Cable properties	drag chain compatible
Tightening torque pigtail	0.6 Nm/0.6 Nm

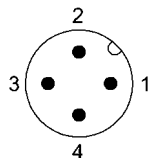
Remarks

Cable construction acc. to UL-AWM Style 20233
Halogen-free
Flame resistance acc. to IEC 60332-1-2, per UL 1581 Sec. 1080 and Sec. 1060
Oil-resistant
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings

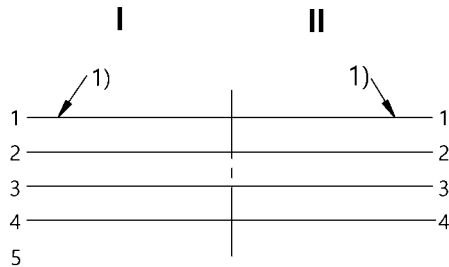


I
PIN 1: shield
PIN 2: white
PIN 3: yellow
PIN 4: blue
PIN 5: not used



II
PIN 1: shield
PIN 2: white
PIN 3: yellow
PIN 4: blue

Wiring Diagrams



1) Shield on PIN 1