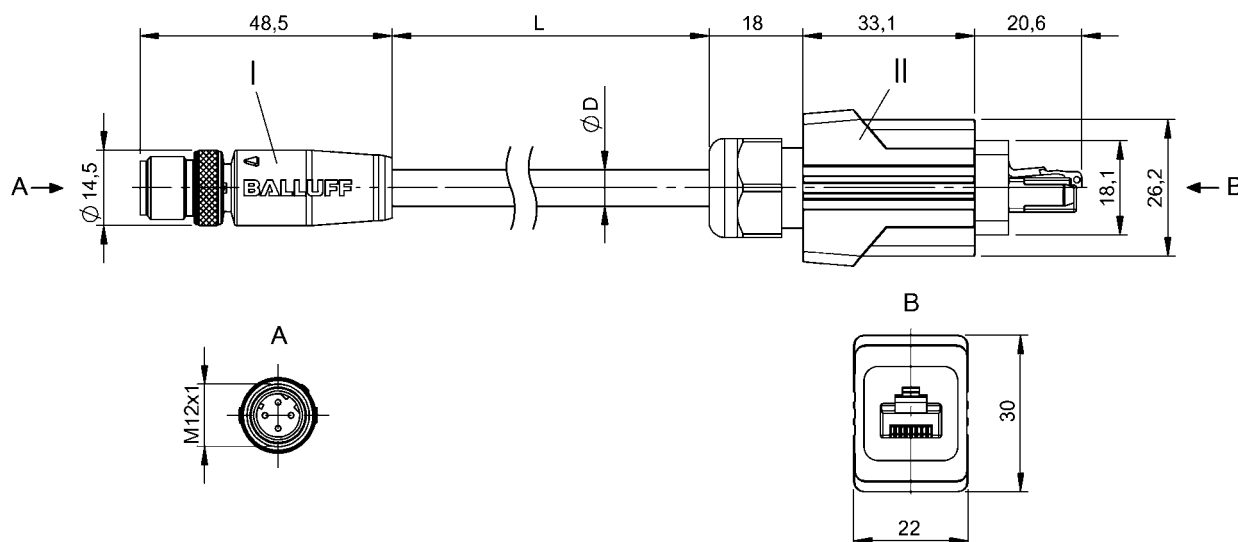


Double-Ended Cordsets

BCC M414-HA78-8D-668-PS54N2-020

Order Code: BCC0F6K

BALLUFF

Basic features

Application	Profinet , CAT 5
Approval/Conformity	CE WEEE

Electrical connection

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	15 x D
Cable	PUR Shielded Green, 2 m, drag chain compatible
Cable diameter D	6.70 mm ± 0.30 mm
Cable, bending cycles min.	2 mil.
Cable, note	Profinet Type C, CAT 5E by IEC 61156-6
Conductor cross-section	22 AWG
Connection 1	M12x1-Male, straight, 4-pin, D-coded
Connection 2	Push-Pull RJ45-Male, straight, 8-pin
Number of conductors	4
System	Molded/Molded

Electrical data

Operating voltage U_b	50 VDC
Rated current (40 °C)	1.0 A
Transfer rate	10/100 Mbit/s

Environmental conditions

Cable temperature, fixed routing	-40...80 °C
Cable temperature, flexible routing	-20...60 °C
IP rating	IP68/IP20

Material

Cable jacket material, note	Shielded
Cable jacket, material	PUR
Cable shield	Aluminum foil and copper braid
Material contact carrier	PUR/PC
Material contacts	Brass/Brass
Material cover nut	Brass nickel-plated
Material grip	PUR/Zinc

Mechanical data

Acceleration max., drag chain	2 m/s ²
Cable jacket, color	Green
Cable length L	2.00 m
Cable properties	drag chain compatible
Horizontal travel permitted, drag chain	5 m
Tightening torque pigtail	0.6 Nm/-
Traverse speed max., drag chain	200 m/min
Vertical travel permitted, drag chain	5 m

Remarks

Cable construction acc. to UL-AWM Style 20549

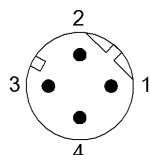
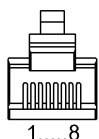
Halogen-free per DIN VDE 0472 Part 815

Silicone-free

Flame resistance acc. to FT1

Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



II

PIN 1: yellow

PIN 2: orange

PIN 3: white

PIN 4: not used

PIN 5: not used

PIN 6: blue

PIN 7: not used

PIN 8: not used

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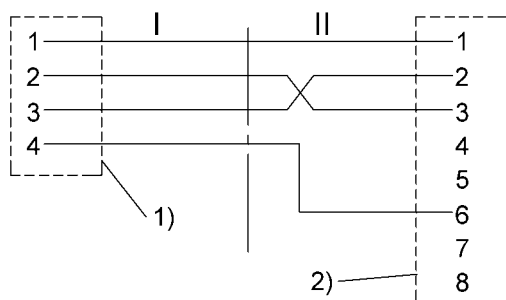
PIN 1: yellow

PIN 2: white

PIN 3: orange

PIN 4: blue

Wiring Diagrams



1) Shield on cover nut

2) Shield on housing