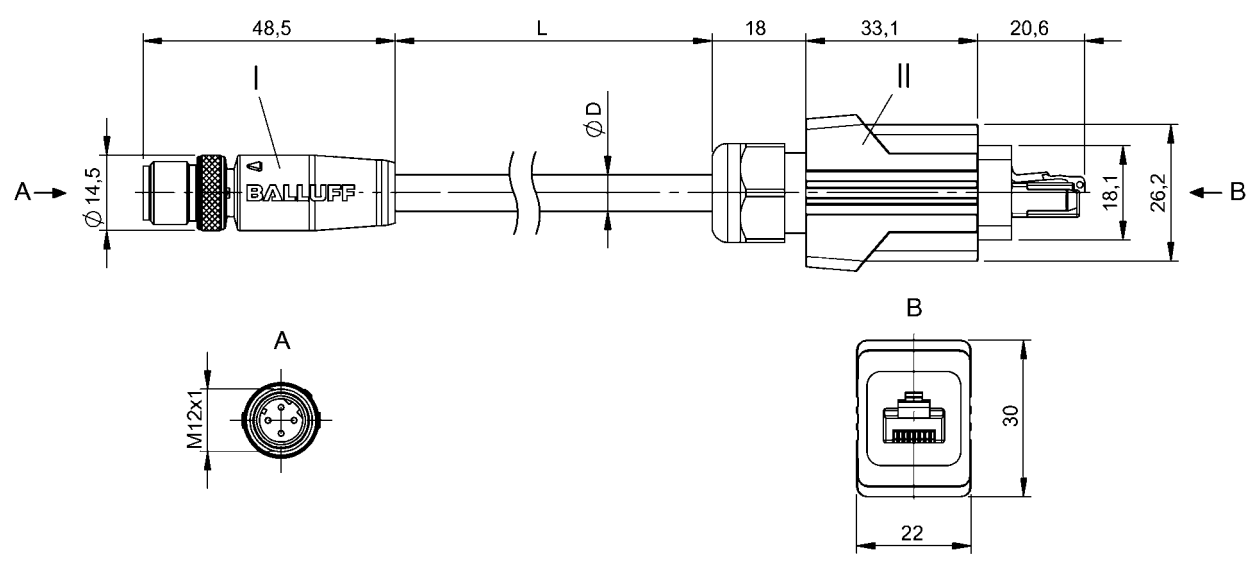


Double-Ended Cordsets
BCC M414-HA78-8D-668-PS54N2-050
Order Code: BCC0F6L



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, 5 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	5.00 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

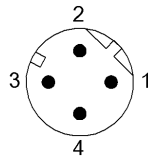
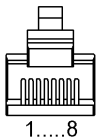
Halogen-free per DIN VDE 0472 Part 815

Silicone-free

Flame resistance acc. to FT1

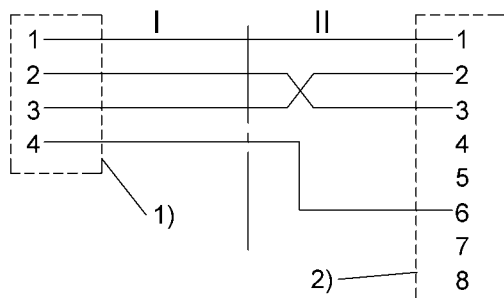
Enclosure rating per IEC 60529 or 20653, only in screwed state with the associated mating piece.

Connector Drawings



II	I
PIN 1: yellow	PIN 1: yellow
PIN 2: orange	PIN 2: white
PIN 3: white	PIN 3: orange
PIN 4: not used	PIN 4: blue
PIN 5: not used	
PIN 6: blue	
PIN 7: not used	
PIN 8: not used	

Wiring Diagrams



- 1) Shield on cover nut
2) Shield on housing