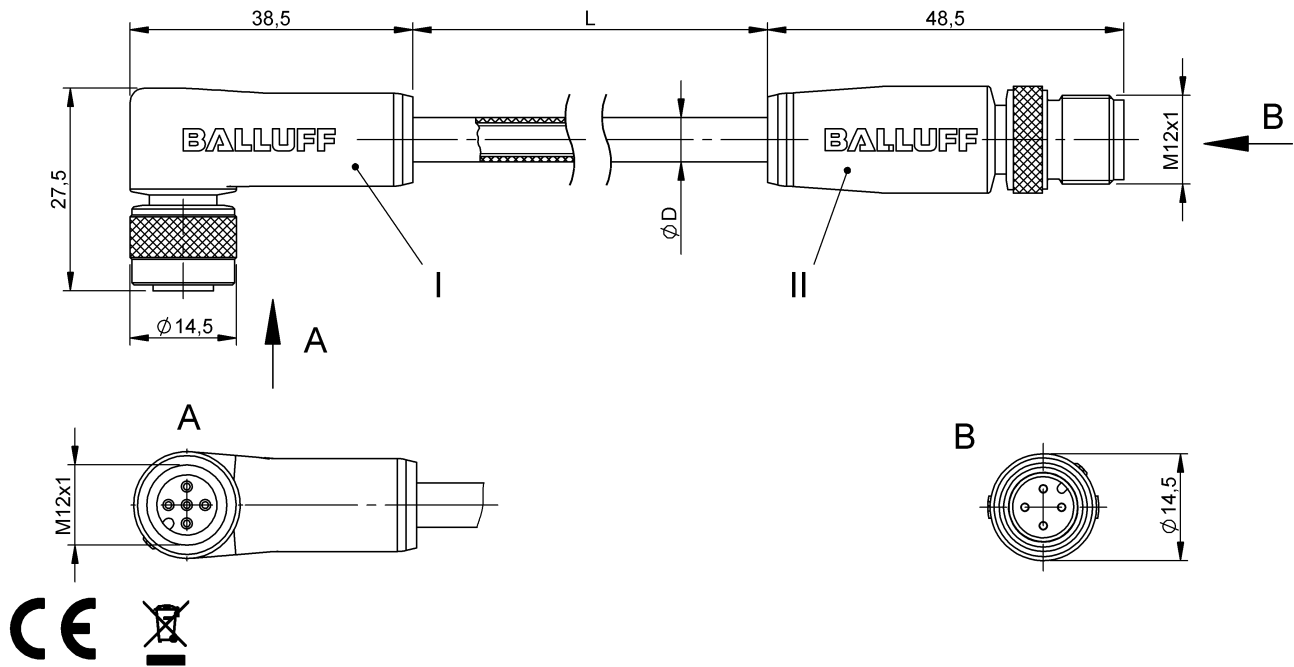


Double-Ended Cordsets  
**BCC W425-W414-3A-650-NW44T2-015**  
**Order Code: BCC0JE5**

**BALLUFF**



**Basic features**

Application	Welding area
Approval/Conformity	CE WEEE

**Display/Operation**

Function indicator (Pin 2)	LED white
Function indicator (Pin 4)	LED yellow
Power indicator	LED green/no

**Electrical connection**

Bending radius min., fixed cable	5 x D
Bending radius min., flexible cable	10 x D
Cable	TPE welding spark resistant Yellow, 1.5 m, drag chain compatible
Cable diameter D	8.00 mm ±0.20 mm
Cable, bending cycles min.	10 mil.
Conductor cross-section	22 AWG
Connection 1	M12x1-Female, angled, 5-pin, A-coded
Connection 2	M12x1-Male, straight, 4-pin, A-coded
Number of conductors	4
Protection jacket color	Transparent
System	Molded/Molded

**Electrical data**

Cable rated voltage AC max.	300 V
Cable rated voltage DC max.	300 V
Operating voltage U <sub>b</sub>	30 VDC
Rated current (40 °C)	4.0 A

**Environmental conditions**

Cable temperature, fixed routing	-50...105 °C
Cable temperature, flexible routing	-25...105 °C
IP rating	IP65/IP65

**Interface**

Switching output	Complementary
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**Material**

Cable jacket material, note	welding spark resistant
Cable jacket, material	TPE
Jacket material	Silicone
Material contact carrier	PUR, special/PUR, special
Material contacts	Bronze/Brass
Material cover nut	Brass PTFE coated/Brass PTFE coated
Material grip	PUR, special/PUR, special

**Mechanical data**

Cable jacket, color	Yellow
Cable length L	1.50 m
Cable properties	drag chain compatible
Tightening torque pigtail	0.6 Nm/0.6 Nm

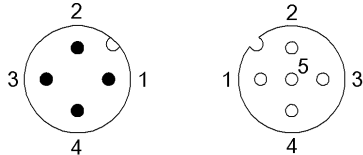
Double-Ended Cordsets  
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Remarks

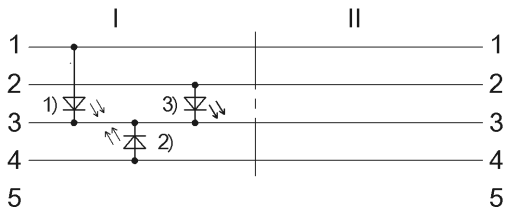
Cable construction acc. to UL-AWM Style 20327  
 Flame resistance acc. to IEC 332-2  
 Maximum temperature at outer jacket from weld spatter/beads short-time 800°C.  
 Enclosure rating per IEC 60529, only in screwed state with the associated mating piece.

Connector Drawings



- |              |                 |
|--------------|-----------------|
| II           | I               |
| PIN 1: brown | PIN 1: brown    |
| PIN 2: white | PIN 2: white    |
| PIN 3: blue  | PIN 3: blue     |
| PIN 4: black | PIN 4: black    |
|              | PIN 5: not used |

Wiring Diagrams



- 1) Green LED = Power
- 2) Yellow LED = Function
- 3) LED white = Function