

### Basic features

|                     |                     |
|---------------------|---------------------|
| Application         | Profinet , CAT 5    |
| Approval/Conformity | CE<br>cULus<br>WEEE |

### Electrical connection

|                                     |   |
|-------------------------------------|---|
| Bending radius min., fixed cable    | 5 x D   |
| Bending radius min., flexible cable | 15 x D  |
| Cable                               | PUR Shielded Green, 12 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                        | RJ45-Male, straight, 4-pin                      |
| Connection 2                        | RJ45-Male, straight, 4-pin                      |
| Number of conductors                | 4   |
| System                              | assembled/assembled                             |

### Electrical data

|                         |                   |
|-------------------------|-------------------|
| Operating voltage $U_b$ | 125 VDC / 125 VAC |
| 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                           | IP20/IP20   |

### Material

|                             |                                |
|-----------------------------|--------------------------------|
| Cable jacket material, note | Shielded                       |
| Cable jacket, material      | PUR                            |
| Cable shield                | Aluminum foil and copper braid |
| Material contact carrier    | PA/PA                          |
| Material contacts           | Bronze/Bronze                  |
| Material grip               | PA 6.6/PA 6.6                  |

### Mechanical data

|   |                       |
|---|-----------------------|
| Acceleration max., drag chain           | 2 m/s <sup>2</sup>    |
| Cable jacket, color                     | Green                 |
| Cable length L                          | 12.00 m               |
| Cable properties                        | drag chain compatible |
| Horizontal travel permitted, drag chain | 5 m                   |
| Traverse speed max., drag chain         | 200 m/min             |
| Vertical travel permitted, drag chain   | 5 m                   |

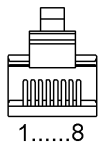
Double-Ended Cordsets  
**BCC E834-E834-90-334-PS54N2-120**  
Order Code: BCC0KTH



Remarks

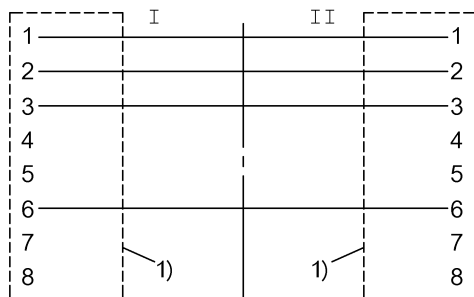
Cable construction acc. to UL-AWM Style 20549  
Halogen-free per DIN VDE 0472 Part 815  
Silicone-free  
Flame resistance acc. to FT1  
AIDA conformal  
Enclosure rating per IEC 60529 or ISO 20653, only in screwed state with the associated mating piece.

Connector Drawings



- I , 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

Wiring Diagrams



1) Shield on housing