

## IE-C5ED8UB-100

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)



Bulk stock, copper cable, flexible, 4 x 2 x AWG 26/7, Cat. 5, PUR, drag-chain compatible

### General ordering data

|            |                                                                         |
|------------|-------------------------------------------------------------------------|
| Version    | Dragline cable, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 100 m |
| Order No.  | <a href="#">8960670000</a>                                              |
| Type       | IE-C5ED8UB-100                                                          |
| GTIN (EAN) | 4032248771028                                                           |
| Qty.       | 1 items                                                                 |
| Packaging  | as cable ring in carton                                                 |

## IE-C5ED8UB-100

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Approvals

|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

## Dimensions and weights

|            |        |                 |                |
|------------|--------|-----------------|----------------|
| Length     | 100 m  | Length (inches) | 3937.0079 inch |
| Net weight | 5420 g |                 |                |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -40 °C...80 °C |                       |                |

## Environmental Product Compliance

|                        |                       |
|------------------------|-----------------------|
| RoHS Compliance Status | Compliant             |
| REACH SVHC             | No SVHC above 0.1 wt% |

## Technical specifications for cable

|                                |                                        |                    |                                  |
|--------------------------------|----------------------------------------|--------------------|----------------------------------|
| Sheathing colour               | blue (RAL 5015)                        | Resistance to oils | in accordance with IEC 60811-2-1 |
| Number of wires                | 8                                      | Shielded           | Yes                              |
| Halogen                        | halogen-free, according to IEC 60754-2 | Insulation         | PE                               |
| Acceleration                   | 5 m/s <sup>2</sup>                     | Bending cycles     | 5 Mio                            |
| Resistance to spread of flame  | in accordance with IEC 60332-1         | Speed              | 180 m/min                        |
| Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min                 | Torsion resistance | 30 °/m                           |
| Number of poles                | 8                                      |                    |                                  |

## Cable specific standards

|                               |                              |                              |                          |
|-------------------------------|------------------------------|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-25 (HD 624.5) | Standard, wire material      | DIN EN 13602 Cu-ETP-A    |
| Standard, assembly            | UL-Style 20963 (80°C/30V)    | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Impervious to smoke           | According to IEC 61034-2     |                              |                          |

## Standards

|                               |                              |                              |                          |
|-------------------------------|------------------------------|------------------------------|--------------------------|
| Standard, insulating material | DIN EN 50290-2-25 (HD 624.5) | Standard, wire material      | DIN EN 13602 Cu-ETP-A    |
| Standard, assembly            | UL-Style 20963 (80°C/30V)    | Standard, shielding material | DIN EN 13602 Cu-ETP-A..B |
| Impervious to smoke           | According to IEC 61034-2     |                              |                          |

## Cable structure

|                          |                                      |                  |                                          |
|--------------------------|--------------------------------------|------------------|------------------------------------------|
| Strands                  | 7                                    | Sheathing colour | blue (RAL 5015)                          |
| Standard designations    | LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP | Cross-section    | 4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup> |
| Shielding                | SF/UTP                               | Number of wires  | 8                                        |
| Insulation cross-section | 0.95 mm                              | Insulation       | PE                                       |

## IE-C5ED8UB-100

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

|                                       |                                                                                                |                                |                                                             |
|---------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------------|
| Sheath diameter, max.                 | 6.8 mm                                                                                         | Sheath diameter, min.          | 6.5 mm                                                      |
| Material sheath                       | PUR                                                                                            | Filler                         | As central element,<br>Between the individual<br>wire pairs |
| Arrangement of wire cores             | Twisted pair                                                                                   | Wire core insulation thickness | 0.23 mm                                                     |
| Complete shielding                    | Plastic foil, Aluminium foil,<br>Shielding braid made from<br>copper wiring                    | Overlap of shielding braid     | 90 %                                                        |
| Wire material                         | Stranded tin-plated copper<br>wire                                                             | Sheathing material thickness   | 0.85 mm                                                     |
| Colour sequence or wires - wire pairs | white/blue - blue, white/<br>orange - orange, white/<br>green - green, white/<br>brown - brown | Shielding braid thickness      | 0.1 mm                                                      |

## Electrical properties of cable

|                                |                                                |                               |                            |
|--------------------------------|------------------------------------------------|-------------------------------|----------------------------|
| Category                       | Cat.5 (ISO/IEC 11801) /<br>Cat.5e (TIA T568-B) | Speed                         | 180 m/min                  |
| Loop resistance                | 290 Ω/km                                       | Signal propagation time       | 5.55 ns/m                  |
| Test voltage: wire-wire-shield | 700 Vrms, 50 Hz, 1 min                         | Capacity at 800 Hz            | 50 nF/km                   |
| Resistance differential        | 2 %                                            | Operating voltage, UL         | 30 V                       |
| Delay skew                     | 40 ns/100m                                     | Operating voltage (UL rating) | 30 V                       |
| Transfer impedance             | 100 mΩ/m at 10 MHz                             | Characteristic impedance      | 100 ± 15 Ω at 1-100<br>MHz |

## Mechanical and material properties of cable

|                                 |                                           |                               |                                   |
|---------------------------------|-------------------------------------------|-------------------------------|-----------------------------------|
| Resistance to oils              | in accordance with IEC<br>60811-2-1       | Silicone-free                 | Yes                               |
| UV-resistant                    | Yes                                       | Pulling force                 | ≤ 100 N                           |
| Halogen                         | halogen-free, according to<br>IEC 60754-2 | Acceleration                  | 5 m/s <sup>2</sup>                |
| Min. bending radius, repetitive | 60 mm                                     | Abrasion resistance           | very good                         |
| Bending cycles                  | 5 Mio                                     | Resistance to spread of flame | in accordance with IEC<br>60332-1 |
| Speed                           | 180 m/min                                 | Fire propagation              | No                                |
| Torsion resistance              | 30 °/m                                    | Impervious to smoke           | According to IEC 61034-2          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC003249    | ETIM 9.0    | EC003249    |
| ETIM 10.0   | EC003249    | ECLASS 14.0 | 27-06-18-01 |
| ECLASS 15.0 | 27-06-18-01 |             |             |

**Drawings**

**Detailed drawing**

