

**IE-C5ED8UB-500****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, 500 m |
| Order No.  | <a href="#">2763480000</a>                                              |
| Type       | IE-C5ED8UB-500                                                          |
| GTIN (EAN) | 4064675030973                                                           |
| Qty.       | 1 pc(s).                                                                |
| Packaging  | on plywood reel                                                         |

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## Technical data

## Dimensions and weights

|            |          |                 |                 |
|------------|----------|-----------------|-----------------|
| Length     | 500 m    | Length (inches) | 19,685.039 inch |
| Net weight | 29,400 g |                 |                 |

## Temperatures

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

## Technical specifications for cable

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

## Cable specific standards

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

## Standards

|                               |                              |                              |                           |
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## Cable structure

|                                |                                                                       |                                       |                                                                                       |
|--------------------------------|-----------------------------------------------------------------------|---------------------------------------|---------------------------------------------------------------------------------------|
| Arrangement of wire cores      |                                                                       | Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown |
|                                | Twisted pair                                                          |                                       |                                                                                       |
| Complete shielding             | Plastic foil, Aluminium foil, Shielding braid made from copper wiring | Cross-section                         | 4*2*AWG 26/7 - 4*2*0.128 mm <sup>2</sup>                                              |
| Filler                         | As central element, Between the individual wire pairs                 | Insulation cross-section              | 0.95 mm                                                                               |
| Material sheath                | PUR                                                                   | Overlap of shielding braid            | 90 %                                                                                  |
| Sheath diameter, max.          | 6.8 mm                                                                | Sheath diameter, min.                 | 6.5 mm                                                                                |
| Sheathing colour               | blue (RAL 5015)                                                       | Sheathing material thickness          | 0.85 mm                                                                               |
| Shielding                      | SF/UTP                                                                | Shielding braid thickness             | 0.1 mm                                                                                |
| Standard designations          | LI9Y(ST)C11Y 4X2X0.14 VZN GN, SF/UTP                                  | Strands                               | 7                                                                                     |
| Wire core insulation thickness | 0.23 mm                                                               | Wire material                         | Stranded tin-plated copper wire                                                       |

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## Electrical properties of cable

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

## Mechanical and material properties of cable

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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC000830    | ETIM 7.0    | EC003249    |
| ETIM 8.0    | EC003249    | ETIM 9.0    | EC003249    |
| ETIM 10.0   | EC003249    | ECLASS 9.0  | 27-06-18-05 |
| ECLASS 9.1  | 27-06-90-90 | ECLASS 10.0 | 27-06-18-01 |
| ECLASS 11.0 | 27-06-18-01 | ECLASS 12.0 | 27-06-18-01 |
| ECLASS 13.0 | 27-06-18-01 | ECLASS 14.0 | 27-06-18-01 |
| ECLASS 15.0 | 27-06-18-01 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

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

## Downloads

|                                             |                                                     |
|---------------------------------------------|-----------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">PROFINET Manufacturer's Declaration</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>            |

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## Drawings

### Detailed drawing

