

**IE-C5ED8UG0500A40A40-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Industrial Ethernet connection technology by Weidmüller offers the optimal solution for the infrastructure of your machine, system or factory. All connection technology is available from one source.

The benefits for you:

- IEC-standardised connectors, in the variants 1, 4, 5 , 6 and 14
- consistently Cat. 6<sub>A</sub> with **STEADYTEC®** technology
- in IP20 and IP67
- all relevant industrial connections: RJ45, SC, ...
- comprehensive range of accessories

**General ordering data**

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| Version    | Dragline cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 50 m |
| Order No.  | <a href="#">1345030500</a>                                                                     |
| Type       | IE-C5ED8UG0500A40A40-E                                                                         |
| GTIN (EAN) | 4050118410723                                                                                  |
| Qty.       | 1 pc(s).                                                                                       |

Creation date March 23, 2021 4:48:22 PM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

## IE-C5ED8UG0500A40A40-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |                |
|------------|---------|-----------------|----------------|
| Length     | 50 m    | Length (inches) | 1,968.504 inch |
| Net weight | 2,645 g |                 |                |

## Temperatures

|                          |                |                       |                |
|--------------------------|----------------|-----------------------|----------------|
| Storage temperature      | -40 °C...80 °C | Operating temperature | -40 °C...80 °C |
| Installation temperature | -20 °C...60 °C |                       |                |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## 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        |                              |                           |

## Electrical properties

|                     |           |
|---------------------|-----------|
| Insulation strength | 500,000 Ω |
|---------------------|-----------|

## Cable structure

|                              |                                                                             |                                       |                                                                                                |
|------------------------------|-----------------------------------------------------------------------------|---------------------------------------|------------------------------------------------------------------------------------------------|
| Arrangement of wire cores    |                                                                             | Colour sequence or wires - wire pairs | white/blue - blue, white/<br>orange - orange, white/<br>green - green, white/<br>brown - brown |
|                              | Twisted pair                                                                |                                       |                                                                                                |
| Complete shielding           | Plastic foil, Aluminium foil,<br>Shielding braid made from<br>copper wiring | Cross-section                         | 4*2*AWG 26/7 -<br>4*2*0.128 mm <sup>2</sup>                                                    |
| Diameter of wire pair        | 1.9 mm                                                                      | Filler                                | As central element,<br>Between the individual<br>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.        | 6.3 mm                                                                      | Sheathing colour                      | green (RAL 6018)                                                                               |
| Sheathing material thickness | 0.85 mm                                                                     | Shielding                             | SF/UTP                                                                                         |
| Shielding braid thickness    | 0.1 mm                                                                      | Standard designations                 | LI9Y(ST)C11Y 4X2X0.14<br>VZN GN, SF/UTP                                                        |
| Strands                      | 7                                                                           | Wire core insulation thickness        | 0.23 mm                                                                                        |
| Wire material                | Stranded tin-plated copper<br>wire                                          |                                       |                                                                                                |

## 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 ± 5 Ω at 100MHz                         |
| Deviation                     | 40 ns/100m                                  |
| Insulation strength           | 500,000 Ω                                   |
| Loop resistance               | 270 Ω/km                                    |
| Operating voltage (UL rating) | Operating voltage 30 V                      |
| Operating voltage (UL rating) | 30 V undefined                              |

Creation date March 23, 2021 4:48:22 PM CET

## IE-C5ED8UG0500A40A40-E

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

|                                |                                     |
|--------------------------------|-------------------------------------|
| 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>                     |
| Fire propagation                | No                               | Halogen                        | halogen-free, according to IEC 60754-2 |
| Impervious to smoke             | According to IEC 61034-2         | Min. bending radius, once only | 4 x cable diameter                     |
| Min. bending radius, repetitive | 7.5 x cable diameter             | 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                                    |

## plug

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Connector left | RJ45 IP 20 | Connector right | RJ45 IP 20 |
|----------------|------------|-----------------|------------|

## Rating

|                     |           |
|---------------------|-----------|
| Insulation strength | 500,000 Ω |
|---------------------|-----------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ECLASS 9.0  | 27-06-03-08 | ECLASS 9.1  | 27-06-03-08 |
| ECLASS 10.0 | 27-06-03-08 | ECLASS 11.0 | 27-06-03-08 |

## Approvals

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

## Downloads

|                    |                                                                    |
|--------------------|--------------------------------------------------------------------|
| Engineering Data   | <a href="#">STEP</a>                                               |
| User Documentation | <a href="#">MAN IE GUIDE DE</a><br><a href="#">MAN IE GUIDE EN</a> |