

**IE-C5ED8UG0150A40A40-E****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**General ordering data**

|            |                                                                                                |
|------------|------------------------------------------------------------------------------------------------|
| Version    | Dragline cable, RJ45 IP 20, RJ45 IP 20, Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PUR, 15 m |
| Order No.  | <a href="#">1307490000</a>                                                                     |
| Type       | IE-C5ED8UG0150A40A40-E                                                                         |
| GTIN (EAN) | 4050118109665                                                                                  |
| Qty.       | 1 items                                                                                        |

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## Technical data

## Approvals

Approvals



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

## Dimensions and weights

|            |       |                 |                |
|------------|-------|-----------------|----------------|
| Length     | 15 m  | Length (inches) | 590.55 12 inch |
| Net weight | 811 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 without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## 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     |                              |                          |

## Cable structure

|                                       |                                                                                       |                                |                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------|--------------------------------|-------------------------------------------------------|
| Strands                               | 7                                                                                     | Sheathing colour               | green (RAL 6018)                                      |
| 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                                                                                | Insulation cross-section       | 0.95 mm                                               |
| Sheath diameter, max.                 | 6.8 mm                                                                                | Sheath diameter, min.          | 6.5 mm                                                |
| Material sheath                       | PUR                                                                                   | Filler                         | As central element, Between the individual wire pairs |
| Arrangement of wire cores             | Twisted pair                                                                          | Wire core insulation thickness | 0.23 mm                                               |
| Complete shielding                    | Plastic foil, Aluminium foil, Shielding braid made from copper wiring                 | Overlap of shielding braid     | 90 %                                                  |
| Wire material                         | Stranded tin-plated copper wire                                                       | Sheathing material thickness   | 0.85 mm                                               |
| Colour sequence or wires - wire pairs | white/blue - blue, white/ orange - orange, white/ green - green, white/ brown - brown | Shielding braid thickness      | 0.1 mm                                                |

## Electrical properties of cable

|                                |                                             |                         |           |
|--------------------------------|---------------------------------------------|-------------------------|-----------|
| Category                       | Cat.5 (ISO/IEC 11801) / 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      |

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|--------------------|--------------------|-------------------------------|-------------------------|
| 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 MHz |

## Mechanical and material properties of cable

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

## Plug

|            |                                                       |           |                                                       |
|------------|-------------------------------------------------------|-----------|-------------------------------------------------------|
| Plug right | RJ45, IP20, male contact, straight, Plastic, shielded | Plug left | RJ45, IP20, male contact, straight, Plastic, shielded |
|------------|-------------------------------------------------------|-----------|-------------------------------------------------------|

## Plug, left

|           |                                                       |
|-----------|-------------------------------------------------------|
| Plug left | RJ45, IP20, male contact, straight, Plastic, shielded |
|-----------|-------------------------------------------------------|

## Plug, right

|            |                                                       |
|------------|-------------------------------------------------------|
| Plug right | RJ45, IP20, male contact, straight, Plastic, shielded |
|------------|-------------------------------------------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | EC002599    | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |