

**IE-C5ES8V00015N40N40-O-K6KV**

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

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**Product image**

Assembled cables with 2x RJ45, suitable for smart metering applications, different colors in accordance with DIN VDE 0603-100. Short plugs and cables with small bending radius for tight spaces, plug housing with circumferential insulation allow protection class IP30 in mated condition.

**General ordering data**

|                 |  |
|-----------------|--|
| Version         | Patch cable, RJ45 IP30 (plugged), RJ45 IP30 (plugged), Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B), PVC, 1.5 m, , straight, 6 kV |
| Order No.       | <a href="#">2814850015</a>   |
| Type            | IE-C5ES8V00015N40N40-O-K6KV  |
| GTIN (EAN)      | 4064675301882  |
| Qty.            | 1 items  |
| Delivery status | Discontinued   |
| Available until | 2025-09-30T00:00:00+02:00  |

**Technical data**

**Approvals**

Approvals



ROHS Conform

**Dimensions and weights**

|            |       |                 |              |
|------------|-------|-----------------|--------------|
| Length     | 1.5 m | Length (inches) | 59.0551 inch |
| Net weight | 70 g  |                 |              |

**Temperatures**

|                          |              |                       |                |
|--------------------------|--------------|-----------------------|----------------|
| Storage temperature      |              | Operating temperature | -20 °C...70 °C |
| Installation temperature | 0 °C...50 °C |                       |                |

**Environmental Product Compliance**

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

**Electrical properties**

|                   |       |            |                            |
|-------------------|-------|------------|----------------------------|
| Operating voltage | 125 V | PoE / PoE+ | conforming to IEEE 802.3at |
|-------------------|-------|------------|----------------------------|

**General standards**

|                    |                |   |                       |
|--------------------|----------------|---|-----------------------|
| Connector standard | IEC 60603-7-51 | Application-specific communication cable facilities | VDE-AR-N 4100:2019-04 |
|--------------------|----------------|---|-----------------------|

**Standards**

|                    |                |
|--------------------|----------------|
| Connector standard | IEC 60603-7-51 |
|--------------------|----------------|

**Cable structure**

|                    |   |                          |  |
|--------------------|---|--------------------------|--|
| Sheath diameter    | 5.5 mm  | Sheathing colour         | orange   |
| Cross-section      | 4x2xAWG 26/7.<br>4x2x0.128 mm <sup>2</sup>              | Shielding                | SF/UTP   |
| Number of wires    | 8   | Insulation cross-section | 1 mm   |
| Insulation         | PE  | Material sheath          | PVC  |
| Cable layout       | Double insulation according to VDE 0603-100             | Colour coding            | white / blue, white / orange, white / green, white / brown |
| Complete shielding | Shielding braid made from copper wiring, Aluminium foil |                          |  |

**Electrical properties of cable**

|                                 |   |                         |          |
|---------------------------------|---|-------------------------|----------|
| Rated impulse withstand voltage | 6 kV  | Operating voltage       | 125 V    |
| Category                        | Cat.5 (ISO/IEC 11801) / Cat.5e (TIA T568-B) | Signal propagation time | 5.1 ns/m |

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**Mechanical and material properties of cable**

|                    |                    |                                |                                  |
|--------------------|--------------------|--------------------------------|----------------------------------|
| Resistance to oils | No                 | Colour                         | orange                           |
| Halogen            | yes (PVC cable)    | Min. bending radius, once only | 5 x cable diameter               |
| Bending radius     | 4 x cable diameter | Resistance to spread of flame  | in accordance with IEC 60332-1-2 |

**Plug**

|            |  |           |  |
|------------|--|-----------|--|
| Plug right | RJ45, IP30 (plugged), male contact, straight, plug, shielded | Plug left | RJ45, IP30 (plugged), male contact, straight, plug, shielded |
|------------|--|-----------|--|

**Plug, left**

|           |  |
|-----------|--|
| Plug left | RJ45, IP30 (plugged), male contact, straight, plug, shielded |
|-----------|--|

**Plug, right**

|            |  |
|------------|--|
| Plug right | RJ45, IP30 (plugged), male contact, straight, plug, 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 |             |             |

**Wiring**



|      |   |        |   |      |
|------|---|--------|---|------|
| RJ45 | 1 | red    | 1 | RJ45 |
|      | 2 | orange | 2 |      |
|      | 3 | black  | 3 |      |
|      | 4 | blue   | 4 |      |
|      | 5 | white  | 5 |      |
|      | 6 | green  | 6 |      |
|      | 7 | yellow | 7 |      |
|      | 8 | brown  | 8 |      |