

**IE-C5ES8VO0005N40N40-O-K6KV****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**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, 0.5 m, , straight, 6 kV |
| Order No.       | <a href="#">2814850005</a>                                                                                                       |
| Type            | IE-C5ES8VO0005N40N40-O-K6KV                                                                                                      |
| GTIN (EAN)      | 4064675301868                                                                                                                    |
| Qty.            | 1 items                                                                                                                          |
| Delivery status | This article will no longer be available in the future.                                                                          |
| Available until | 2025-09-30T00:00:00+02:00                                                                                                        |

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## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Length     | 0.5 m | Length (inches) | 19.685 inch |
| Net weight | 30 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 |             |             |

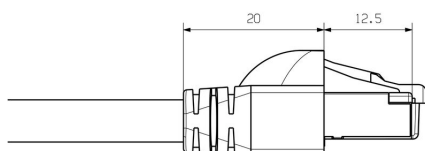
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## Drawings

### 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 |      |