

**IE-C5ES8VB0050N40N40-B-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, 5 m, , straight, 6 kV |
| Order No.  | <a href="#">2813820050</a>                                                                                                     |
| Type       | IE-C5ES8VB0050N40N40-B-K6KV                                                                                                    |
| GTIN (EAN) | 4064675298366                                                                                                                  |
| Qty.       | 1 pc(s).                                                                                                                       |

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**Technical data****Dimensions and weights**

|            |       |                 |             |
|------------|-------|-----------------|-------------|
| Length     | 5 m   | Length (inches) | 196.85 inch |
| Net weight | 186 g |                 |             |

**Temperatures**

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

**Electrical properties**

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

**General standards**

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

**Standards**

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

**Cable structure**

|                    |                                                         |                          |                                                            |
|--------------------|---------------------------------------------------------|--------------------------|------------------------------------------------------------|
| 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 | Cross-section            | 4x2xAWG 26/7.<br>4x2x0.128 mm <sup>2</sup>                 |
| Insulation         | PE                                                      | Insulation cross-section | 1 mm                                                       |
| Material sheath    | PVC                                                     | Number of wires          | 8                                                          |
| Sheath diameter    | 5.5 mm                                                  | Sheathing colour         | blue                                                       |
| Shielding          | SF/UTP                                                  |                          |                                                            |

**Electrical properties of cable**

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

**Mechanical and material properties of cable**

|                                |                    |                               |                                  |
|--------------------------------|--------------------|-------------------------------|----------------------------------|
| Bending radius                 | 4 x cable diameter | Colour                        | blue, blue (RAL 5015)            |
| Min. bending radius, once only | 5 x cable diameter | Resistance to spread of flame | in accordance with IEC 60332-1-2 |

**Plug**

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

**Plug, left**

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

Creation date May 11, 2025 10:21:16 PM CEST

Catalogue status 26.04.2025 / We reserve the right to make technical changes.

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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****Plug, right**

|            |                                                                    |
|------------|--------------------------------------------------------------------|
| Plug right | RJ45, IP30 (plugged),<br>male contact, straight,<br>plug, shielded |
|------------|--------------------------------------------------------------------|

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ETIM 9.0    | EC002599    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-06-03-08 |
| ECLASS 13.0 | 27-06-03-08 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 |             |             |

**Environmental Product Compliance**

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

**Approvals**

Approvals



|                 |                                                                                                                                                                             |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                     |

**Downloads**

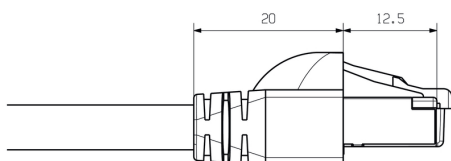
|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |

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