

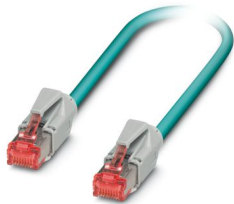
# VS-IP20-IP20-93E-LI/35,0 - Network cable



1408289

<https://www.phoenixcontact.com/us/products/1408289>

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Assembled Ethernet cable, CAT5e, shielded, 2-pair, 26\* AWG stranded (7-wire), RAL 5021 (water blue), RJ45 plug/IP20 to RJ45 plug/IP20, line, length: 35 m

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1408289       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Product key                          | ABNABD        |
| GTIN                                 | 4046356802543 |
| Weight per piece (including packing) | 1,508.5 g     |
| Weight per piece (excluding packing) | 1,508.5 g     |

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## Technical data

### Product properties

|              |                         |
|--------------|-------------------------|
| Product type | Data cable preassembled |
|--------------|-------------------------|

### Cable/line

#### Ethernet [93E]

|                                               |                                                                   |
|-----------------------------------------------|-------------------------------------------------------------------|
| Shielded                                      | yes                                                               |
| Cable weight                                  | 42 kg/km                                                          |
| Cable type                                    | Ethernet                                                          |
| Cable type (abbreviation)                     | 93E                                                               |
| Signal type/category                          | Ethernet CAT5 (IEC 11801:2002)                                    |
| Cable structure                               | 2x2xAWG26/7 PIMF                                                  |
| External cable diameter                       | 6.70 mm                                                           |
| Outer sheath, material                        | PUR                                                               |
| External sheath, color                        | water blue RAL 5021                                               |
| Conductor material                            | Bare Cu litz wires                                                |
| Conductor structure signal line               | 7x 0.15 mm                                                        |
| AWG signal line                               | 26                                                                |
| Conductor cross section                       | 2x 2x 0.14 mm <sup>2</sup>                                        |
| Material wire insulation                      | Cell PE                                                           |
| Wire diameter incl. insulation                | ≤ 1.05 mm                                                         |
| Single wire, color                            | white/orange-orange, white/green-green                            |
| Twisted pairs                                 | 2 cores to the pair                                               |
| Type of pair shielding                        | Aluminum-lined polyester foil                                     |
| Overall twist                                 | Two pairs with two fillers to the core                            |
| Shielding                                     | Tinned copper braided shield                                      |
| Nominal voltage, cable                        | max. 125 V                                                        |
| Test voltage, cable                           | 1000 V                                                            |
| Cable resistance                              | ≤ 150 Ω/km                                                        |
| Cable insulation resistance                   | ≥ 5 GΩ*km                                                         |
| Coupling resistance                           | 5.00 mΩ/m (at 10 MHz)                                             |
| Wave impedance                                | 100 Ω ±5 % (at 100 MHz)                                           |
| Working capacitance                           | 42 pF                                                             |
| Signal speed                                  | 0.72 c                                                            |
| Tensile strength                              | 30 N (for installation)<br>10 N (in accordance with installation) |
| Smallest bending radius, movable installation | 34 mm                                                             |
| Shield attenuation                            | 60.00 dB (up to 1000 MHz)                                         |
| Halogen-free                                  | complying with IEC 60754-1/2                                      |
| Resistance to oil                             | in accordance with DIN EN 60811-2-1                               |
| Concentration of fumes                        | in accordance with IEC 61034-1/2                                  |
| Flame resistance                              | complying with IEC 60332-2-2                                      |

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|                                 |                                                                     |
|---------------------------------|---------------------------------------------------------------------|
| Other resistance                | Microbe resistance as per VDE 0282 section 10                       |
|                                 | Hydrolysis resistance as per DIN 53504                              |
| Special properties              | Free of substances which would hinder coating with paint or varnish |
| Ambient temperature (operation) | -10 °C ... 50 °C (Cable, flexible installation)                     |
|                                 | -40 °C ... 70 °C (cable, fixed installation)                        |

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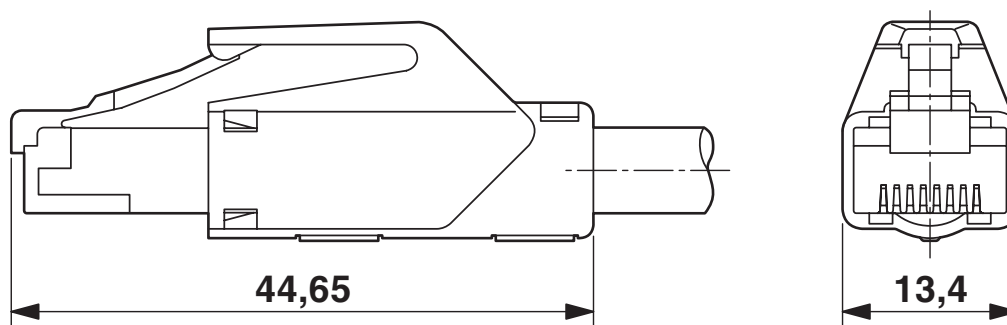
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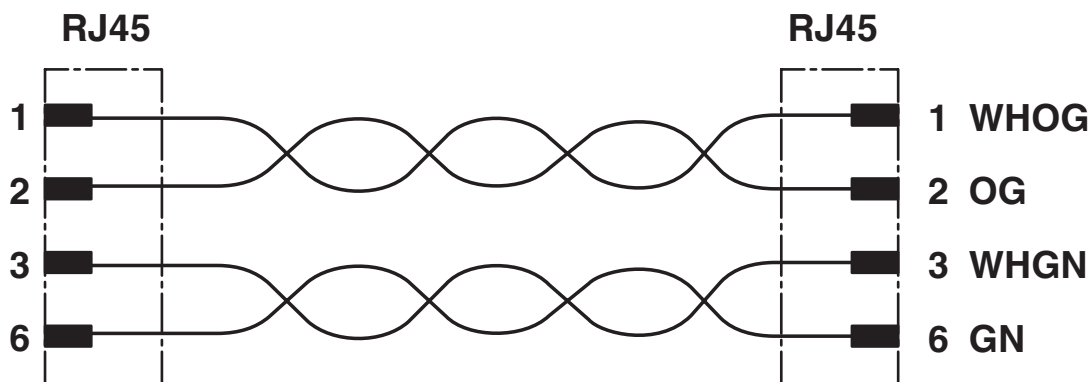


## Drawings

Dimensional drawing



Circuit diagram



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## Environmental product compliance

### EU RoHS

|                                         |                    |
|-----------------------------------------|--------------------|
| Fulfills EU RoHS substance requirements | Yes, No exemptions |
|-----------------------------------------|--------------------|

### China RoHS

|                                        |                                                                                                                                                                                                                                   |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environment friendly use period (EFUP) | EFUP-50                                                                                                                                                                                                                           |
|                                        | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

### EU REACH SVHC

|                                     |                            |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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