

1422204

<https://www.phoenixcontact.com/us/products/1422204>

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Connector

Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 1422204       |
| Packing unit                         | 25 pc         |
| Minimum order quantity               | 50 pc         |
| Product key                          | ABQYAA        |
| GTIN                                 | 4055626294636 |
| Weight per piece (including packing) | 56.012 g      |
| Weight per piece (excluding packing) | 56.012 g      |
| Country of origin                    | DE            |

## Technical data

### Cable/line

PUR halogen-free black [PUR]

|                                                 |                                                                                    |
|-------------------------------------------------|------------------------------------------------------------------------------------|
| Dimensional drawing                             |  |
| Shielded                                        | yes                                                                                |
| UL AWM Style                                    | 20549 / 10493 (80°C/300 V)                                                         |
| Cable weight                                    | 53 kg/km                                                                           |
| Cable type                                      | PUR halogen-free black                                                             |
| Cable type (abbreviation)                       | PUR                                                                                |
| External cable diameter                         | 5.90 mm ±0.2 mm                                                                    |
| Outer sheath, material                          | PUR                                                                                |
| External sheath, color                          | black-gray RAL 7021                                                                |
| Thickness, outer sheath                         | approx. 0.50 mm                                                                    |
| Conductor material                              | Bare Cu litz wires                                                                 |
| Conductor structure signal line                 | 32x 0.10 mm                                                                        |
| AWG signal line                                 | 24                                                                                 |
| Conductor cross section                         | 8x 0.25 mm <sup>2</sup> (Signal line)                                              |
| Material wire insulation                        | PP                                                                                 |
| Thickness, insulation                           | approx. 0.20 mm                                                                    |
| Wire diameter incl. insulation                  | 1.17 mm ±0.02 mm                                                                   |
| Single wire, color                              | brown, white, green, yellow, gray, pink, blue, red                                 |
| Overall twist                                   | 8 wires around filler to the core                                                  |
| Shielding                                       | Tinned copper braided shield                                                       |
| Optical shield covering                         | 85 %                                                                               |
| Nominal voltage, cable                          | ≤ 300 V AC                                                                         |
| Test voltage Core/Shield                        | ≥ 2000.00 V AC (for 60 s)                                                          |
| Test voltage, cable                             | ≥ 3000 V AC (Spark test)                                                           |
| Cable resistance                                | ≤ 78 Ω/km (at 20 °C)                                                               |
| Cable insulation resistance                     | ≥ 1 GΩ*km (at 20 °C)                                                               |
| Minimum bending radius, fixed installation      | 5 x D                                                                              |
| Minimum bending radius, flexible installation   | 10 x D                                                                             |
| Number of bending cycles                        | 5000000                                                                            |
| Minimum bending radius, drag chain applications | 10 x D                                                                             |
| Traversing path                                 | 10 m                                                                               |

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|                                 |                                                              |
|---------------------------------|--------------------------------------------------------------|
| Traversing rate                 | 3 m/s                                                        |
| Acceleration                    | 10 m/s <sup>2</sup>                                          |
| Torsion force                   | ± 180 °/m                                                    |
| Torsion cycles                  | ≥ 1000000                                                    |
| Torsional frequency             | 35 (cycles/min.)                                             |
| Halogen-free                    | in accordance with DIN VDE 0472 part 815                     |
|                                 | according to IEC 60754-1                                     |
| Resistance to oil               | in accordance with IEC 60811-404                             |
| Flame resistance                | in acc. with UL FT-2                                         |
|                                 | according to UL 758/1581 (horizontal)                        |
|                                 | in accordance with UL 758/1581 FT2                           |
|                                 | According to DIN EN 60332-2-2 (20 s)                         |
| Other resistance                | hydrolysis and microbe resistant                             |
|                                 | Resistant to salt water                                      |
|                                 | low-abrasion                                                 |
|                                 | partly UV-resistant (in accordance with DIN EN ISO 4892-2-A) |
| Special properties              | Flexible cable conduit capable                               |
| Ambient temperature (operation) | -25 °C ... 80 °C (Cable, flexible installation)              |
|                                 | -40 °C ... 80 °C (cable, fixed installation)                 |

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## Classifications

### ETIM

|          |          |
|----------|----------|
| ETIM 8.0 | EC002635 |
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### UNSPSC

|             |          |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
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## Environmental product compliance

### EU RoHS

|                                         |      |
|-----------------------------------------|------|
| Fulfills EU RoHS substance requirements | Yes  |
| Exemption                               | 6(c) |

### 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.) | Lead(CAS: 7439-92-1) |
|-------------------------------------|----------------------|

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