1113325

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Patch cable, degree of protection: IP20, cable length: 4 m, number of positions: 4, 100 Mbps, CAT5, material: PP, connection method: Pierce connection, connection cross section: AWG 23-22, cable outlet: straight, PROFINET

Your advantages

- · Perfect for industrial applications
- PVC cable for flexible installations
- · Worldwide approval with CE, UL, WEEE, and EAC
- · Secure connection and disconnection with reliable locking clip protection
- · Ideal EMC properties, thanks to 360° shielding
- · Simultaneous power transmission with PoE++
- · Resistant to shock and vibrations, thanks to robust molding
- · High-speed data transmission with up to 100 Mbps (CAT5)

Commercial data

| Item number | 1113325 |
|--------------------------------------|---------------|
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB11 |
| Product key | ABNABA |
| GTIN | 4063151036263 |
| Weight per piece (including packing) | 290.7 g |
| Weight per piece (excluding packing) | 22.22 g |
| Customs tariff number | 85444210 |
| Country of origin | PL |

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Technical data

Product properties

| Product type | Data cable preassembled |
|---|-------------------------|
| Sensor type | PROFINET |
| Number of positions | 4 |
| Shielded | yes |
| Cable outlet | straight |
| Insulation characteristics | |
| Overvoltage category | 1 |
| Degree of pollution | 2 |
| Electrical properties | |
| Rated voltage (III/2) | 72 V |
| Rated current | 1.75 A |
| Insulation resistance | > 1 TΩ |
| Contact resistance | < 20 mΩ |
| Transmission characteristics (category) | CAT5 |
| Transmission speed | 100 Mbps |
| Mechanical properties | |
| Mechanical data | |
| Insertion force per signal contact | 50.00 N |
| Extraction force per signal contact | 30 N |
| Material specifications | |
| Flammability rating according to UL 94 | V2 |
| Contact material | CuSn6 |
| | |

| Contact material | CuSn6 |
|--------------------------|-------|
| Contact surface material | Ni/Au |
| Contact carrier material | PC |
| Housing material | PP |

Dimensions

| Width | 13.8 mm |
|--------|---------|
| Height | 14.8 mm |
| Length | 44.2 mm |

Connection data

| Connection technology | |
|-----------------------|-------------------|
| Connection method | Pierce connection |
| Conductor connection | |
| Connection method | Pierce connection |

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Connector

| Connection 1 |
|--------------|
|--------------|

| Туре | Plug straight RJ45 |
|-----------------------------|--------------------|
| Shielded | yes |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |
| Number of positions | 4 |
| Insertion/withdrawal cycles | 750 |
| | |

Connection 2

| Туре | Plug straight RJ45 |
|-----------------------------|--------------------|
| Shielded | yes |
| Insertion/withdrawal cycles | ≥ 750 |
| Number of positions | 4 |
| Degree of protection | IP20 |

Cable/line

| Cable length | 4.00 m |
|--------------|--------|
|--------------|--------|

PROFINET stranded CAT5 [93M]

Dimensional drawing



| Shielded | yes |
|---------------------------------|--|
| UL AWM Style | 20236 (80°C/30 V) |
| Cable weight | 65 kg/km |
| Cable type | PROFINET stranded CAT5 |
| Cable type (abbreviation) | 93M |
| Signal type/category | PROFINET CAT5 (IEC 11801), 100 Mbps |
| | EtherCAT [®] CAT5 (IEC 11801), 100 Mbps |
| Cable structure | 1x4xAWG22/7, SF/TQ |
| External cable diameter | 6.5 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | green RAL 6018 |
| Thickness, outer sheath | approx. 0.9 mm |
| Material, inner sheath | PVC |
| Conductor material | Tin-plated Cu litz wires |
| Conductor structure signal line | 7x 0.25 mm |
| | |



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| AWG signal line | 22 |
|---|--|
| Conductor cross section | 4x 0.34 mm ² |
| Material wire insulation | PE |
| Wire diameter incl. insulation | approx. 1.5 mm |
| Single wire, color | white, yellow, blue, orange |
| Overall twist | Star quad |
| Shielding | Aluminum-coated foil, tinned copper braided shield |
| Nominal voltage, cable | 600 V |
| Test voltage Core/Core | 2000 V (50 Hz, 1 min.) |
| Test voltage Core/Shield | 2000 V (50 Hz, 1 min.) |
| Cable insulation resistance | ≥ 500 MΩ*km |
| Coupling resistance | ≤ 20.00 mΩ/m (at 10 MHz) |
| Wave impedance | 100 Ω ±15 Ω (at 100 MHz) |
| Loop resistance | ≤ 120.00 Ω/km |
| Working capacitance | 52 pF |
| Signal runtime | 5.3 ns/m |
| Minimum bending radius, fixed installation | 4 x D |
| Minimum bending radius, flexible installation | 8 x D |
| Damping | 2.1 dB (with 1 MHz) |
| | 4 dB (at 4 MHz) |
| | 6.3 dB (at 10 MHz) |
| | 8 dB (at 16 MHz) |
| | 9 dB (at 20 MHz) |
| | 11.4 dB (at 31.25 MHz) |
| | 16.5 dB (at 62.5 MHz) |
| | 21.3 dB (at 100 MHz) |
| Near end crosstalk attenuation (NEXT) | 80 dB (with 1 MHz) |
| | 76 dB (at 4 MHz) |
| | 70 dB (at 10 MHz) |
| | 65 dB (at 16 MHz) |
| | 63 dB (at 20 MHz) |
| | 60 dB (at 31.25 MHz) |
| | 55 dB (at 62.5 MHz) |
| | 50 dB (at 100 MHz) |
| Ambient temperature (operation) | -40 °C 80 °C (Cable, flexible installation) |
| | -40 °C 80 °C |

Environmental and real-life conditions

Ambient conditions

| Degree of protection | IP20 |
|---|-------------------------------|
| Ambient temperature (operation) | -40 °C 85 °C (RJ45 connector) |
| Ambient temperature (storage/transport) | -40 °C 85 °C (RJ45 connector) |

Standards and regulations



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Standards/specifications

IEC 60603-7

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Classifications

ECLASS

| ECLASS-12.0 27060308 ECLASS-13.0 27060308 | ECLASS-11.0 | 27060308 |
|---|-------------|----------|
| ECLASS-13.0 27060308 | ECLASS-12.0 | 27060308 |
| | ECLASS-13.0 | 27060308 |

ETIM

| | ETIM 8.0 | EC002599 |
|----|-------------|----------|
| UN | ISPSC | |
| | UNSPSC 21.0 | 39121400 |

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