

NBC-R4ACS/15,0-94F/R4ACS - Patch cable



1586501

<https://www.phoenixcontact.com/pc/products/1586501>

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Patch cable, CAT6A, 4-pair, shielded, assembled at both ends with molded RJ45 connectors, IP20 degree of protection, outer sheath material: PUR, length: 15 m

Your advantages

- Perfect for industrial applications
- PUR cable for moving applications (bend)
- 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 1 Gbps (CAT5)
- Future-proof high-speed data transmission with up to 10 Gbps (CAT6_A)

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1586501 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Product key | ABNABF |
| GTIN | 4067923141568 |
| Weight per piece (including packing) | 703.4 g |
| Weight per piece (excluding packing) | 651.01 g |
| Customs tariff number | 85444290 |
| Country of origin | PL |

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Technical data

Product properties

| | |
|---------------------|-------------------------|
| Product type | Data cable preassembled |
| Sensor type | Ethernet |
| Number of positions | 8 |
| Shielded | yes |
| Cable outlet | straight |

Insulation characteristics

| | |
|----------------------|---|
| Overvoltage category | I |
| Degree of pollution | 2 |

Signaling

| | |
|----------------|----|
| Status display | No |
|----------------|----|

Electrical properties

| | |
|---|-------------------|
| Rated current | 1.5 A |
| Insulation resistance | > 1 TΩ |
| Contact resistance | < 20 mΩ |
| Transmission characteristics (category) | CAT6 _A |
| Transmission speed | 10 Gbps |

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 |
| Housing material | PP |
| Contact material | CuSn6 |
| Contact surface material | Ni/Au |
| Contact carrier material | PC |
| Outer sheath, material | PUR |
| Conductor material | Copper, bare |

Dimensions

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

Connection data

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Connection technology

| | |
|-------------------|-------------------|
| Connection method | Pierce connection |
|-------------------|-------------------|

Conductor connection

| | |
|-------------------|-------------------|
| Connection method | Pierce connection |
|-------------------|-------------------|

Connector

Connection 1

| | |
|-----------------------------|--------------------|
| Type | Plug straight RJ45 |
| Shielded | yes |
| Handle color | black |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |

Connection 2

| | |
|-----------------------------|--------------------|
| Type | Plug straight RJ45 |
| Shielded | yes |
| Handle color | black |
| Insertion/withdrawal cycles | ≥ 750 |
| Degree of protection | IP20 |

Cable/line

| | |
|--------------|---------|
| Cable length | 15.00 m |
|--------------|---------|

Ethernet 10 Gbit [94F]

| | |
|---------------------------|--|
| Dimensional drawing |  |
| Shielded | yes |
| UL AWM Style | 20963 (80°C/30 V) |
| Cable weight | 42 kg/km |
| Cable type | Ethernet 10 Gbit |
| Short symbol | 02YSC11Y |
| Cable type (abbreviation) | 94F |
| Signal type/category | Ethernet CAT6 _A , 10 Gbps |
| Cable structure | 4x2xAWG26/7; S/FTP |
| External cable diameter | 6.40 mm ±0.2 mm |
| Outer sheath, material | PUR |
| External sheath, color | water blue RAL 5021 |