

FL PLUG RJ45 GR/2 - RJ45 connector

2744856

<https://www.phoenixcontact.com/us/products/2744856>



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RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, connection cross section: AWG 26- 24, cable outlet: straight, color: gray, Ethernet

Your advantages

- Set of 2 connectors
- Easy installation with a crimping tool
- With gray bend protection sleeve: recommended for straight, uncrossed cables

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 2744856 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | AB10 |
| Product key | ABNAAG |
| GTIN | 4017918607579 |
| Weight per piece (including packing) | 18.8 g |
| Weight per piece (excluding packing) | 6.596 g |
| Customs tariff number | 85366990 |
| Country of origin | US |

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Technical data

Product properties

| | |
|---------------------|-----------------------------|
| Product type | Data connector (cable side) |
| Type | RJ45 |
| Sensor type | Ethernet |
| Number of positions | 8 |
| Connection profile | RJ45 |
| Cable outlet | straight |
| Positions/contacts | 8P8C |

Insulation characteristics

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

Electrical properties

| | |
|---|-----------------|
| Contact resistance | < 100 mΩ (max.) |
| Frequency range | 100 MHz |
| Insulation resistance | > 500 MΩ |
| Nominal current I_N | 1.5 A |
| Contact resistance per contact pair | < 20 Ω |
| Contact resistance | > 10 mΩ |
| Transmission medium | Copper |
| Transmission speed | 1 Gbps |
| Transmission characteristics (category) | CAT5 |
| Transmission speed | 1 Gbps |

Connection data

Connection technology

| | |
|------------------------------|--|
| Connection method | Crimp connection |
| Connection cross section AWG | 26 ... 24 (solid) |
| | 26 ... 24 (flexible) |
| Conductor cross section | 0.14 mm ² ... 0.22 mm ² (solid) |
| | 0.14 mm ² ... 0.22 mm ² (flexible) |

Dimensions

| | |
|--------|---------|
| Width | 13.7 mm |
| Height | 13.1 mm |
| Length | 32.7 mm |

Material specifications

| | |
|--|---------|
| Color | gray |
| Flammability rating according to UL 94 | V0 |
| Housing material | Plastic |

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| | |
|--------------------------|-----------------|
| Contact material | Phosphor bronze |
| Contact surface material | Au/Ni |
| Contact carrier material | PC |
| Locking latch material | PC |

Cable/line

| | |
|--------------------------|----------------------|
| External cable diameter | 4.6 mm ... 5.8 mm |
| Cable cross section | 0.14 mm ² |
| Test voltage Core/Core | 1000 V |
| Test voltage Core/Shield | 1500.00 V |

Mechanical properties

| | |
|-------------------------------------|-----------|
| Mechanical data | |
| Insertion/withdrawal cycles | min. 2500 |
| Insertion force per signal contact | < 20.00 N |
| Extraction force per signal contact | < 20 N |

Environmental and real-life conditions

| | |
|---------------------------------|------------------|
| Ambient conditions | |
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 85 °C |

Mounting

| | |
|---------------|------------------|
| Mounting type | Crimp connection |
|---------------|------------------|

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 27440114 |
| ECLASS-15.0 | 27440114 |

ETIM

| | |
|----------|----------|
| ETIM 9.0 | EC002636 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 39121400 |
|-------------|----------|

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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-E |
| | No hazardous substances above the limits |

EU REACH SVHC

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

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