

Product information

Plug FM45 Cat.5e unshielded AWG 23 to 26 IP20 568A/B 90° plastic housing

R803498
10 pcs



- Field terminated RJ45 connector with angled housing
- Termination of unshielded cable (UTP)
- Approved for solid and stranded wire AWG 23 to AWG 26
- Optional visual colour coding clip
- Plug FM45 Cat.5e
- Plastic housing angled with nut
- Installation instructions

090.6471

Technical Data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|--|--|
| Standard | ISO/IEC 11801-1 Ed 1.0 2017-11 IEC 60603-7-2 EN 50173 ANSI/TIA-568-C.2 PoE (IEEE 802.3af), PoEP (IEEE 802.3at), 4Ppoe (IEEE 802.3bt) IEC 60512-00-001/002 |
| Protection class IP | IP 20 |
| Category | Cat. 5e ISO/IEC |
| Wiring diagram | T568A and T568B |
| Cable overall diameter | 4.5 - 8.0mm |
| Number of wires | 8 |
| Wire type | Wire or stranded wire |
| Colour Coding | Yes, optional |
| Dust Protection | No |
| Cable Strain Relief | 50 N |
| Re-termination | ≥4 according IEC 60352-4 Re-terminations may be performed with wire of either larger or equal size than originally terminated. |
| Contact Surface | >1.2µm gold over 1.2µm nickel |
| Contact material | Bronze (CuSn6) |
| Pollution Degree | 2 according to IEC 61010-1 |
| UL Classification | UL94-V0 |
| Wire diameter | Wire: 0.4 - 0.54mm (0.64mm depending on cable construction) Stranded wire: 0.12mm ² - 0.32mm ² |
| Approved wire diameter with insulation | 1.6 mm / 0.063 in |
| Plug type twisted pair | RJ45 |
| Product code description | FM45-C5e-u-2326-IP20-A/B-90pl-N--- FM45-C5e-u-2326-IP20-A/B-90pl-N--- |

Mechanical Data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|--------------------|---|
| Dimensions | 47.0 mm x 14.0 mm x 33.0 mm / 1.85 in x 0.551 in x 1.299 in (W x H x D) |
| Color | Plug: transparent Housing: traffic gray (RAL 7042) |
| Material | Polycarbonate (plug) polyamide (housing) |
| Mating Cycles | > 750 |



Climatic Data





| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|-----------------------|-------------------------------------|
| Operation temperature | -20 °C to +70 °C / -4 °F to +158 °F |

Electrical data

| DESCRIPTION [UNIT] | VALUE/VALUE RANGE |
|-------------------------|---|
| Contact Resistance | Wire - IDC < 1mΩ Stranded wire - IDC < 5mΩ Signal contact - screen < 20mΩ |
| Input-Output Resistance | 100 mΩ |
| Insulation Resistance | > 1GΩ (100V) |
| Dielectric Strength | Contact - contact >1000VDC Shield - contact >1500VDC, 1min. |
| Nominal Current | 1.55A @20°C |
| Overvoltage Category | I according to IEC 60664-1 |

Field-terminated RJ45 plug connector, unshielded, Cat.5e 8-pole, terminated in IDC technology, suitable for solid or stranded wires, 2- to 8-wire conductors of diameter AWG 23 to AWG 26 (AWG 23/7 - 26/7), angled housing IP20, for cable diameters of 4.5mm to 8.0mm, coding in acc. with TIA 568A/B.

| | Description | PU | Product No. |
|---|--|--------|-------------|
|  | Clip Security Level 1 FM45 Plug IP20 anthracite plastic housing R &M | 10 pcs | R311561 |
|  | Clip Security Level 1 FM45 Plug IP20 blue plastic housing R&M | 10 pcs | R311580 |

| | Description | PU | Product No. |
|---|---|--------|-------------|
|  | Clip Security Level 1 FM45 Plug IP20 brown plastic housing R&M | 10 pcs | R311569 |
|  | Clip Security Level 1 FM45 Plug IP20 yellow plastic housing R&M | 10 pcs | R311579 |
|  | Clip Security Level 1 FM45 Plug IP20 gray plastic housing R&M | 10 pcs | R311570 |
|  | Clip Security Level 1 FM45 Plug IP20 green plastic housing R&M | 10 pcs | R311577 |
|  | Clip Security Level 1 FM45 Plug IP20 red plastic housing R&M | 10 pcs | R311571 |
|  | Clip Security Level 1 FM45 Plug IP20 violet plastic housing R&M | 10 pcs | R311575 |