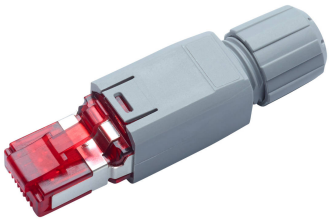
Product information

Plug FM45 Cat.6A shielded or unshielded AWG 22 to 26 IP20 568A/B plastic housing R&M

R815651
966704105
10 pcs



090.7437

- Field terminated RJ45 connector
- Termination of unshielded cable (UTP)
- Termination of shielded cable (STP)
- Approved for solid and stranded wire AWG 22 to AWG 26
- Optional visual colour coding clip
- Plug FM45 Cat.6A
- Plastic housing with nut
- Copper foil
- Installation instructions

Technical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Standard	ISO/IEC 11801-1 Ed 1.0 2017-11 IEC 60603-7-41/51 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. 6_A ISO
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 - 0.61mm Stranded wire: 0.12mm^2 - 0.32mm^2
Approved wire diameter with insulation	1.6 mm / 0.063 in
Plug type twisted pair	RJ45

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DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Product code description	FM45-C6A-s/u-2226-IP20-A/B-RMpl-N--- FM45-C6A-s/u-2226-IP20-A/B-RMpl-N---

Mechanical Data

DESCRIPTION [UNIT]	VALUE/VALUE RANGE
Dimensions	59.0 mm x 14.0 mm x 14.6 mm / 2.323 in x 0.551 in x 0.575 in (W x H x D)
Color	Plug: tranparent 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, shielded and unshielded, Cat.6A 8-pole, terminated in IDC technology, suitable for solid or stranded wires, 2- to 8-wire conductors of diameter AWG 22 to AWG 26 (AWG 22/7 - 26/7), housing IP20, for cable diameters of 4.5mm to 8.0mm, coding in acc. with TIA 568A/B.