M25 Cat6 Shielded IP68 RJ45 Female (8P8C) to RJ45 Female (8P8C) Inline Coupler, PA66

Structured Cabling / Waterproof Connectors

M25 Cat6 shielded coupler with two RJ45 female 8P8C ports, PA66 housing and silicone seals. IP68 threaded closure for 4.5–8.5 mm cables, with both ends correctly assembled.

KG-RJ45-CP-C6-WP

Product type
Inline waterproof network coupler, M25

Network category
Cat6

Connection Interface
RJ45 Female (8P8C) to RJ45 Female (8P8C)

Key features

- IP68 Protection: Threaded body and silicone gaskets protect the connection when both ends are correctly sealed.
- RJ45 Female-to-Female: Connects two preterminated cables without soldering or IDC termination in the coupler.
- PA66 Housing and Metal Shield: Nylon exterior with shielded RJ45 module and gold-plated copper contacts.
- Cable of 4.5–8.5 mm: Cable glands at both ends grip the jacket and seal the cable entry.
- M25 Format: Threaded closure for assembly, inspection and maintenance of the inline connection.
- Cat6 · 250 MHz: Interconnection for category 6 cabling
- performance depends on the complete channel.

Technical specifications

Parameter	Specification
Product code	KG-RJ45-CP-C6-WP
Product type	Inline waterproof network coupler, M25
Network category	Cat6
Connection Interface	RJ45 Female (8P8C) to RJ45 Female (8P8C)

Technical specifications

Parameter	Specification
Shielding	RJ45 module with internal metal shielding
Housing material	PA66 nylon
Seal material	Silicone
Contacts	Gold-plated copper
Number of contacts	8 per RJ45 port
Locking system	M25 thread with cable glands at both ends
Cable outside diameter	4.5–8.5 mm
Category bandwidth	250 MHz
Cable compatibility	Cat5, Cat5e and Cat6 Ethernet cables with RJ45 8P8C plugs and compatible jacket diameter
Shield continuity	Use compatible shielded cables and plugs and maintain system grounding
Protection rating	IP68, with the assembly fully assembled and both cable entries correctly sealed
Protection conditions	Does not cover open ports or incomplete assembly; does not mean unlimited immersion or resistance to high-pressure jets
Published operating temperature	−40 °C to +85 °C
Component rated current	1.5 A
Component rated voltage	125 V
Scope of electrical values	Component values, not authorization to connect mains voltage to RJ45 or PoE certification
Mounting	Inline connection between two cables; not a Keystone module or USB Type-C connector
Color	Black with blue seals
Sales unit	1 complete coupler
Individual package dimensions	14 × 4 × 4 cm
Gross weight per packaged unit	0.055 kg
Warranty	5 years

Applications

CCTV and Access Points
Protection of Ethernet connections in outdoor installations with suitable cables and assembly.

Communications Networks
Inline joints for maintenance and link integration in dusty and damp environments.

Displays and Stage Equipment
Ethernet interconnection of compatible equipment; does not replace an electrical power connector.

Existing Cable Run Extension
Join two preterminated sections when equipment location changes, checking plug dimensions, total link length and cable entry closure.

Packaging & contents

1 M25 Cat6 coupler with RJ45 female-to-female module, threaded bodies, cable gland nuts and silicone seals. Individual packaging of 14 × 4 × 4 cm; gross weight 0.055 kg. Ethernet cables and equipment not included.

Warranty

KONGIA 5-year warranty.

Declared compliance

RoHS · ISO 9001 · REACH · CE Compliant · IP68