

Outdoor Category 6A Shielded Connectivity Solution

molex

Molex offers two outdoor rated connectivity products that protect the connection between the outdoor wireless access point or security camera and the existing network cabling infrastructure from climatic conditions.

The biggest benefit of wireless networks is that it allows users to connect to the Internet from any spot inside its area of coverage. This network can be extended externally by installing an outdoor wireless access point device. When it comes to the overall safety and security of building facilities and personnel, outdoor video surveillance and security cameras are increasingly important. These outdoor devices are connected to the existing campus network via an RJ45 patch cord and RJ45 Jack. The Molex outdoor category 6A shielded connectivity solution facilitates this connection with an IP66 rated enclosure protecting the RJ45 jack and a weather protected C6A shielded patch cord.



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OUTDOOR CATEGORY 6A SHIELDED PATCH CORD

Molex Category 6A patch cords are designed to support high-speed 10GBASE-T networks and are backward compatible with 10/100/1000BASE-T networks. Manufactured from high quality four pair 26AWG stranded copper wire, each pair is shielded in aluminium/mylar foil and enclosed in a LSOH sheath. The cable is terminated with Molex high performance Category 6A shielded RJ45 plugs. This high-performance assembly is enclosed in a UV stabilized, flexible polyamide covering, protecting the patch cord against mechanical shock, water and dust ingress and capable of withstanding an operating temperature of -20°C to +60°C or -4°F to 140°F.



Features and Advantages

4 Pair 26AWG stranded copper shielded cable

Pre-terminated with shielded RJ45 plugs

Suitable for TIA 568A or 568B wiring

10Gb/s performance when installed as a complete Molex C6A shielded system

UV stabilized, water and dust ingress protected, flexible conduit covering

RoHS compliant

Note: Outdoor WAP and security camera devices include ethernet/patch cord cable weather protection fittings/glands, which vary depending on the manufacturers' designs. Molex does not guarantee that its outdoor C6A patch cord is compatible with all types of outdoor WAPs and security cameras ethernet/patch cord cable weather protection fittings. Check the dimensions of the device's fitting/gland before installation.

OUTDOOR CATEGORY 6A SHIELDED PATCH CORD OUTER DIAMETER



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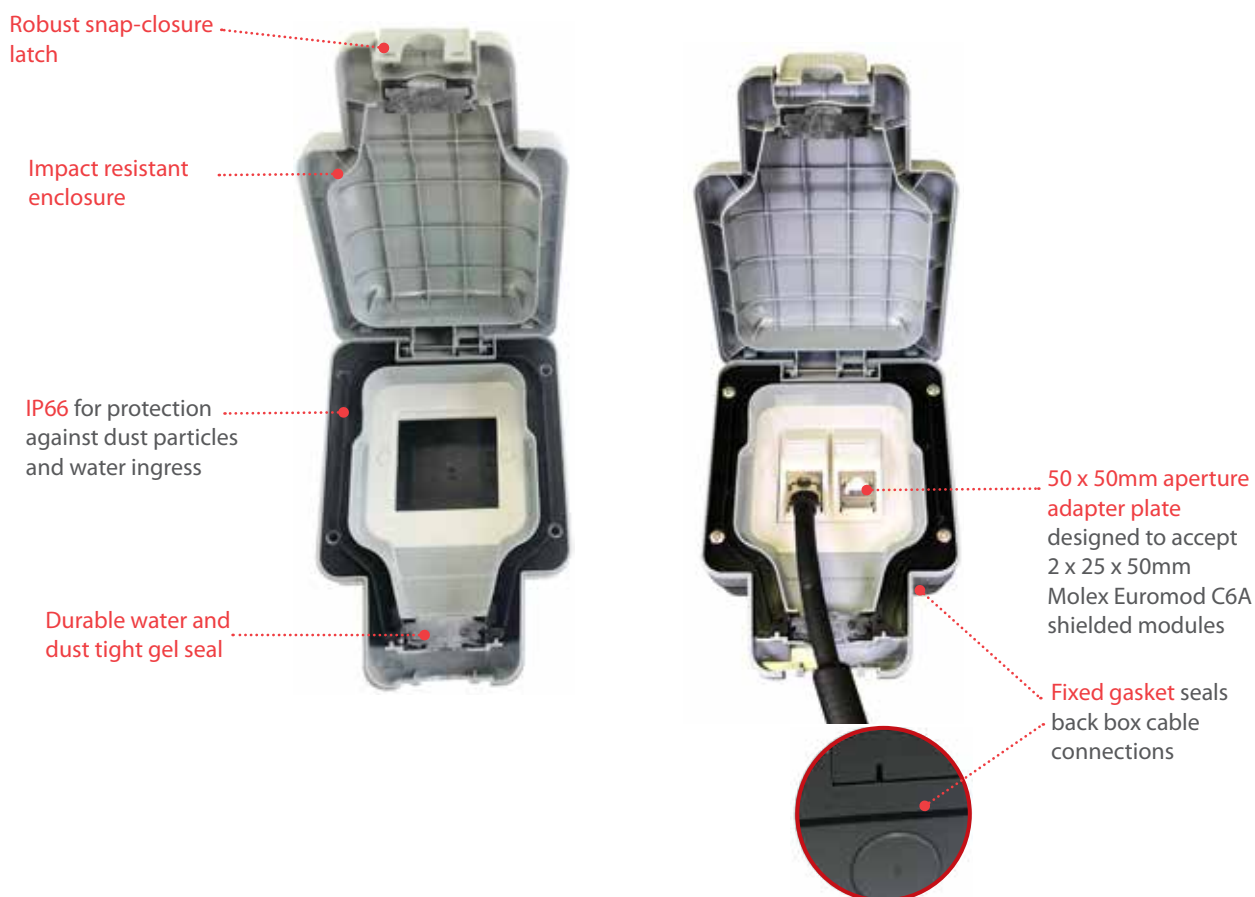
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EUROMOD IP66 2 PORT RJ45 ENCLOSURE UNLOADED

The Euromod IP66 two port RJ45 Enclosure protects the Euromod DataGate Jack terminations from impact damage, dust and pressured jets of water. The product features a fixed gasket around the rear backbox/ mounting box and a further gel seal and gasket enclosing the RJ45 jacks and patch cord connections under the hinged cover, ensuring robust protection against the outdoor environment.

The product is designed to house the RJ45 jacks needed for the connection of outdoor WAP or security camera devices to the network. The enclosure accepts two Euromod 25 x 50mm Molex DataGate modules, supplied separately. Contact Molex Regional Technical Solutions for installation guidance.



Features and Advantages

Ingress Protection Rating 66

Enclosure manufactured from UV resistant polycarbonate which does not crack and provides strong impact protection

Fixed gaskets protect the rear cable connections from dust and water ingress

Durable gel seal protects patch cord and jack connections from weather damage

Accepts two RJ45 Euromod 25 x 50mm modules (supplied separately)

Easy installation

RoHS compliant

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Specifications

REFERENCE INFORMATION

Commercial Standards:
ANSI/TIA TIA-568.2-D:2018
ISO/IEC 11801:2017
IEEE 802.3af, 802.3at, 802.3bt
IEC 60603-7
Backward compatible with
10/100/1000BASE-T systems

RoHS Compliant

EUROMOD IP66 2 PORT RJ45 ENCLOSURE MECHANICAL

Material: Polycarbonate
Colour: Grey
Dimensions: 117mm (W) x 160mm (L) x
89mm(H)
Mounting/back box internal depth: 35mm
Shipping weight: 0.55kg
Ambient operating temperature: 0 to +40°C
IP Rating: 66

OUTDOOR CATEGORY 6A SHIELDED PATCH CORD ELECTRICAL

Cable
Conductor Size: 26AWG
Conductor material: Stranded Bare Copper
Construction: U/FTP
Screen material: Al/Mylar
Drain Wire: Tinned copper wire
Sheath: LSZH
Outer Diameter including flexible tube: 11.5mm
Rated Voltage: < 80V

Heat shrink cable covering material: Polyolefin
Flexible tube material: Nylon PA6
Flexible tube IP Rating: IP66
UV stabilised
Flame Retardancy: UL 94-V2
Colour: Black

Plug
Durability: 200 mating cycles
Housing material: Clear Polycarbonate UL 94-V0
Contact Material: Copper alloy, selective gold plating
Shield: Copper alloy nickel plated
RJ45 plug dimensions compliant with IEC 60603-7
Dielectric Withstand Voltage: 1000 Volts AC

Ordering Information

Order No.	SAP No.	Description
PCD-07136	183162333	Outdoor Category 6A Shielded Patch Cord 0.5m
PCD-07131	183162334	Outdoor Category 6A Shielded Patch Cord 1m
PCD-07132	183162335	Outdoor Category 6A Shielded Patch Cord 1.5m
PCD-07133	183162336	Outdoor Category 6A Shielded Patch Cord 2m
PCD-07134	183162337	Outdoor Category 6A Shielded Patch Cord 3m
PCD-07135	183162338	Outdoor Category 6A Shielded Patch Cord 5m
SBX-00019-08	181320016	Euromod IP66 2 x RJ45 Enclosure Unloaded Grey
		Compatible Euromod Outlets
MEU-00074-02	181240031	Euromod Bezel 25 x 50mm Unloaded White
KSJ-00062-02	183010003	DataGate Jack C6A Shielded White
KSJ-00018-02	181970080	DataGate Jack C6 UTP White

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