

# Outdoor Category 6A Shielded Connectivity Solution >

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.



[www.molexces.com/products/copper/cat6a/](http://www.molexces.com/products/copper/cat6a/)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.

# Outdoor Category 6A Shielded Connectivity Solution >

## 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 aluminum/mylar foil and enclosed in a LS0H 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 26 AWG 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



[www.molex.com/products/copper/cat6a/](http://www.molex.com/products/copper/cat6a/)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.

# Outdoor Category 6A Shielded Connectivity Solution >

## 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.

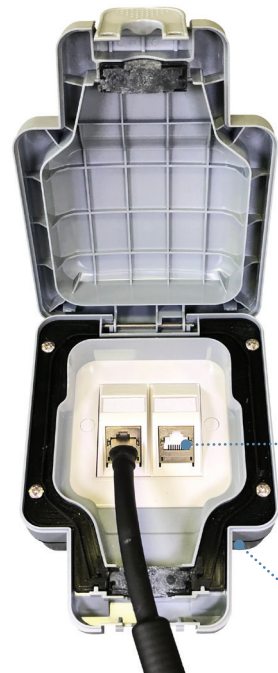
The product is designed to house the RJ45 jacks needed for the connection of outdoor WAP or security camera devices to the network. The enclosure accepts two Euromod 25 x 50mm Molex DataGate modules, supplied separately. Contact Molex Regional Technical Solutions for installation guidance.

**Robust snap-closure latch**

**Impact resistant enclosure**

**IP66** for protection against dust particles and water ingress

**Durable water and dust tight gel seal**



**50 x 50mm aperture adapter plate** designed to accept 2 x 25 x 50mm Molex Euromod C6A shielded modules

**Fixed gasket** seals back box cable connections

## 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

[www.molex.com/products/copper/cat6a/](http://www.molex.com/products/copper/cat6a/)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.

# Outdoor Category 6A Shielded Connectivity Solution >

## SPECIFICATIONS

### 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  
**Color:** Gray  
**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:** LSOH  
**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 stabilized  
**Flame Retardancy:** UL 94-V2  
**Color:** 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

#### PoE

Our PowerCat 6A system is suitable for the most demanding PoE applications: IEEE 802.3bt from Type 1 to Type 4, and CISCO UPoE+ HD Base-T PoH up to 100W RP3 compliant as defined by EN 50174-2:2018, ISO/IEC 14763-2:2019 and AS/NZS 14763.2:2020

#### Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout. To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more <https://www.molexces.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6A products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at <https://www.molexces.com/about-us/our-warranty/>

[www.molexces.com/products/copper/cat6a/](https://www.molexces.com/products/copper/cat6a/)

# Outdoor Category 6A Shielded Connectivity Solution >

## 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-00096-02	183010133	Jack DataGate Cat6A Shielded 568A/B Universal Shutter- White
KSJ-00018-02	181970080	DataGate Jack C6 UTP White

**Please note:** All Patch and Equipment cords manufactured by Molex are tested for mechanical and continuity compliance. All cord lengths from 1m to 20m are tested for transmission performance compliance. Cords which are shorter than 1m, and longer than 20m, are outside of the scope of international cabling standards and may not meet the transmission performance requirements of those standards unless otherwise stated.

[www.molex.com/products/copper/cat6a/](http://www.molex.com/products/copper/cat6a/)

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners. This information is correct at the time of publication, specifications are subject to change.