

Medical Grade Antimicrobial Wallplates & Patch Cords >

Molex Medical Grade products have been created by incorporating an antibacterial agent (biocide) that can assist in suppressing the growth of bacteria on the surfaces of products when conditions exist where growth can occur. They can assist in keeping surfaces clean and sanitary and can also have an advantage in minimizing the impact on the environment by minimizing diffusion of the agent.

Molex Medical Grade products have been independently tested and comply with ISO 22196:2011. They form a part of an effective sanitization protocol are not intended as replacement.



FEATURES AND ADVANTAGES

Assists in suppression of the growth of bacteria on wallplates and patch cords

Contemporary design, smooth finished wall plates for ease of cleaning

Modular wallplate footprint allows for Cat 6, Cat 6A and optical fiber fitout

10G performance when installed as a complete PowerCat 6A Shielded System

LSOH Sheath – Patch Cords

Slim anti-snag slip on boots – Patch Cords

RoHS Compliant

Third party tested to ISO 22196:2011 for 99% efficiency against K.Pneumoniae, E.Coli and Staphylococcus Aureus

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SPECIFICATIONS

Commercial Standards

Patch Cords

ISO/IEC 11801 2nd Ed Amd 1 Class EA
TIA-568-D.2 Cat 6A
UL 1863
CSA C22.2
ISO 22196:2011, 99% efficiency against Staphylococcus A
LSOH Sheath: IEC 60332-1
IEC 61034-2
RoHS Compliant

Wallplates

ISO 22196:2011, 99% efficiency against K.Pneumoniae, E.Coli and Staphylococcus A
RoHS Compliant

Physical

Patch Cords

Cable Conductor size:

26 AWG stranded copper wire

Screen material:

Aluminum/polyester shield with tinned copper drain wire

Nom. O.D.: 6.5mm

Sheath: Low Smoke Zero Halogen (LSOH)

Bend radius: 8X O.D.

Operating temperature range:

-25°C to +55°C

Wallplates

Dimensions:

Single Gang:

86 x 86mm (external), 52 x 45mm (internal aperture)

Module and Blank: 52 x 22.5mm

Double Gang:

86 x 145mm (external), 52 x 90mm (internal aperture)

Module and Blank: 52 x 22.5mm

Plug

Min. operating life: 750 insertion cycles

RJ45 plug material:

Clear Polycarbonate (PC)

Boot material: Poly Carbonate (PC)

Contact material: 0.35mm thick copper

Contact plating: 1.27um gold

RJ45 plug dimensions compliant with:

ISO/IEC 60603-7-51 and FCC 47 Part 68

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/>

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ORDERING INFORMATION

Order No.	SAP No.	Description
Patch Cords		
HPCD-07000-0W	183162394	Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 1.0m
HPCD-07001-0W	183162395	Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 2.0m
HPCD-07002-0W	183162396	Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 3.0m
HPCD-07003-0W	183162397	Medical Grade Antimicrobial Patch Cord Cat6A Shielded, LS0H, White - 5.0m
Outlets & Connectors		
HWGB-00001-02	181170041	Antimicrobial Contura Wallplate with Grid Plate - Single Gang, White
HWGB-00002-02	181170042	Antimicrobial Contura Wallplate with Grid Plate - Double Gang, White
HKSJ-00005-02	181170043	Antimicrobial Single Position Blank - White, 1 piece per Bag
HMGB-00002-02	181170044	Antimicrobial Blank Module
HMGB-00006-02	182910001	Antimicrobial Module Contura FTP 568A B C6A, White
HSBX-00004-02	181350011	Surface Box Miniline, 1P, Antimicrobial - White
HSSY-00014-02	181340033	Modr Surf Synergy, 2P, Antimicrobial Unloaded - White
HMLG-00021-02	181720063	Legrand Module 22.5x45 C6, Antimicrobial Loaded - White
HMLG-00030-02	182930002	Legrand Module 22.5x45 C6A, Antimicrobial Loaded - White
HWPJ-00057-02	181280058	Keystone Wallplate 86x86, 1P, Antimicrobial - White
HWPJ-00058-02	181280059	Keystone Wallplate 86x86, 2P, Antimicrobial - White
HWPJ-00059-02	181280060	Keystone Wallplate 86x86, 4P, Antimicrobial - White

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