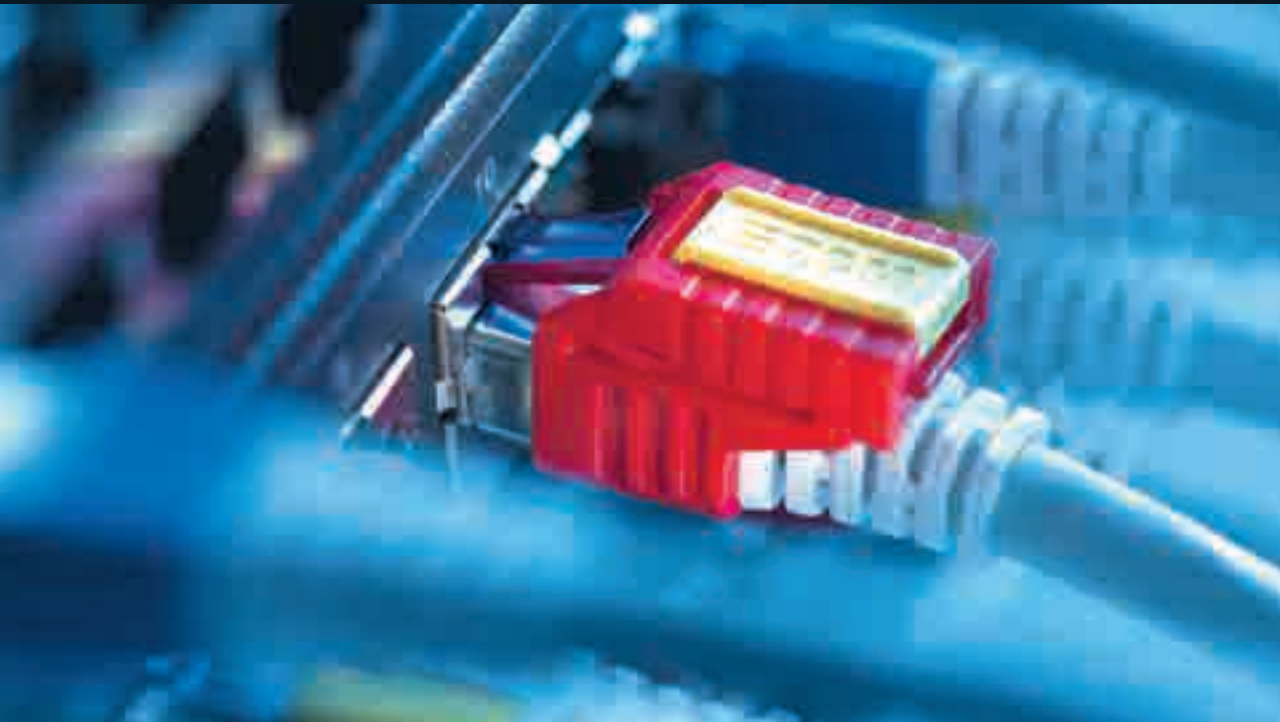


## R&M Patch Guard



The lock on the patch cord  
– optimal security for all  
networks with RJ45 connections



Convincing cabling solutions

# The Key for Complete Network S

## LOCK PATCH CORDS – ELIMINATE BREAKDOWNS

**Network security.** In addition to bandwidth, it has dramatically gained in importance. Daily, companies and administrations demand greater availability. Breakdowns are no longer acceptable. R&M closes these security holes in Layer 1. With Patch Guard from R&M you have the key for complete network security and availability in your hand.

get more

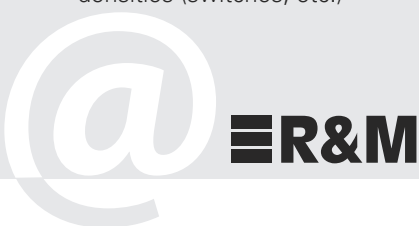
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### Better network security

- Terminable plug-out protection on the RJ45 patch cord
- Authorized access for all RJ45 connections
- Color coding assists correct connecting

### More Modularity, flexibility, convenience

- Tool-free mounting
- Can be mounted later on site
- Compatible with R&M standard RJ45 patch cords
- Appropriate for high packing densities (switches, etc.)



### CLOSING OF SECURITY HOLES ON RJ45 CONNECTIONS

In spite of all security precautions it happens time and again that someone without authorization unplugs a patch cord. The connection breaks down and the network is no longer available. Production is at a standstill – at the PC work station as well as in manufacturing. There is a threat of lost time and damages.

Active RJ45 connections on computers, servers, network components and peripheral devices always risk to be manipulated. The new Patch Guard from R&M allows you to close the last security holes on RJ45 ports in a lasting, consequential way and in a few steps.

### THE LOCK ON PATCH CORDS

Patch Guard from R&M is a lock for RJ45 connections that can be mounted immediately or later. The lockable plug-out protection is compatible with RJ45 standard patch cords from R&M. The color coding with clips provide additional security and assistance for correctly connecting the patch cord.

Complete your network safety and availability for passive cabling with Patch Guard. Its technology is unique on the market. Patch Guard supplements the modular R&M security system, well-proven since 2001, with an additional convincing solution. With it you make the patch cable and LAN connections to the most secure link in the network.



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Patch Guard – the lock on the RJ45 patch cord

050.1072



Enterprise Cabling

010.2418



Residential Cabling

010.3180



Industrial Cabling

## THE SOLUTION FOR OFFICE, HOME AND INDUSTRIAL NETWORKS

Patch Guard, the first lockable plug-out protection for RJ45 patch cables supports the security objectives in all typical application areas of information and communications technology. The entire LAN from server room, to the distributor, to the individual work place in the office, laboratory or computer center remains 100% available if the connections are effectively protected.

In addition, with the Patch Guard you can lock all RJ45 connections to peripheral devices and measuring instruments etc. This allows you to protect processes in progress from undesired disruptions – such as test runs or longer lasting print jobs.

Do you use power over Ethernet – power supply via network connection? Precisely in this case you must prevent sudden and accidental plug-outs in the running operation. Otherwise arcs occur and contact burns is a threat at the contact transfer. In this case, Patch Guard serves as a reliable guard on the RJ45 connection.

In many areas, industrial concerns are introducing data communications via Ethernet with RJ45 network connections to obtain production information in real time. If the data flow is interrupted because someone plugged out a connector by accident, it can have serious consequences. Machines might even have to be stopped. Any interruption just plainly costs money.

Patch Guard keeps the RJ45 ports in manufacturing systems consistently locked. Therefore, you can enter the security solution from R&M as an additional advantage in your quality management. The investment in the protection of the network connections has a drastic effect on productivity and operational reliability.

Complex medical technological applications in the health care system can only be operated with reliable network connections. High availability can save lives. However, in the



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Efficient security solution on the switch with high packing density.



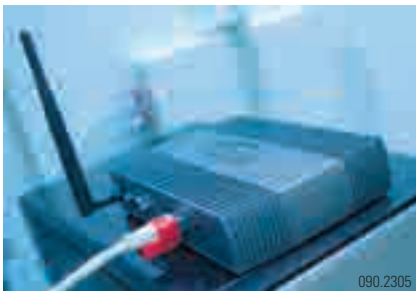
090.2304

A security advantage for video monitoring with a network connection.



090.2337

Patch Guard, compatible with R&M standard RJ45 patch cords.



Reliable connection for Wireless LAN access points.



Manipulations on the PC, measuring instruments and peripheral devices are stopped.



High availability can save lives.

application there are security risks regarding connections: a hectic pace in emergency situations can result in plugging out important connectors by accident. Due to the high staff and visitor frequency in a hospital, it is impossible to monitor every connection in every room nonstop. Patch Guard takes care of it.

In home cabling, in the home office, in schools, educational and recreational facilities the concern is the securing of the availability of networks with a minimum of expense and the easiest handling. In these areas playing around or the lack of technical knowledge is often the reason that someone plugs out connectors and thus causes interruptions. You can effectively prevent this with Patch Guard.

#### **AN ADVANTAGE FOR ACCESS POINTS AND PUBLIC SAFETY**

Wireless LAN access points are more and more frequently installed at publicly accessible points—for example in hotels, event halls, airports or highly frequented company areas. In these cases, particular security measures are required because a great number of customers and guests with laptops could be disconnected from the data traffic if an access point is disconnected by accident or willfully from the network.

Modern video monitoring of data networks requires absolute availability of the connections – for example, in department stores or in train stations. However, how often do unauthorized people disconnect a camera? Patch Guard provides durable connections as well as an advantage for public safety. Only authorized people who have the key to the Patch Guard can open the connection.

# Easy – Logical – Tool-Free

## CONVENIENT IMMEDIATE SOLUTION

The shortest path to maximum reliability. Immediate solutions with optimal convenience and the easiest handling. The market demands this because the active and passive protection of network connections must not slow down the running operation. The Patch Guard from R&M fulfills the requirements in every aspect. The principle: easy and quick, logical and tool-free. The motto: Plug & Lock.

### YOU CAN LOCK YOUR PATCH CABLES IN THREE STEPS

You can install the Patch Guard without tools and in a few steps:

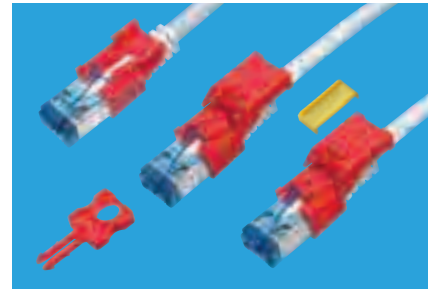
1. Consolidate the components on the patch cable. Snap the bottom part like a sleeve over the connector and strain relief sleeve.
2. Fix the upper part with the lock mechanism onto the bottom part and slide it under the unlatching lever of the connector.
3. Attach color clips, they help to avoid confusion in patching.

After it is in place, the Patch Guard is fixed onto the connector and locked. The unlatching lever remains blocked and the connector remains locked. Only authorized persons can open Patch Guard with the compatible key.

### MODULAR AND FLEXIBLE

The lockable plug-out protection can be attached to the R&M standard RJ45 patch cord at any time, even later. Based on the modular principle of the R&M solutions, Patch Guard is compatible with the R&Mfreenet

cabling system and the R&M security system. A compact design and a well thought out attaching method ensure that Patch Guard is everywhere compatible – even with high packing densities on the switch.



Mounting: Consolidate Patch Guard parts (red), attach color clip (yellow), key (left).



090.2328  
Plug-in: Slide cable with mounted Patch Guard into the connection.



090.2329  
Locking: Patch Guard is locked and blocks the unlatching lever.



090.2330  
Unlocking: Insert key in opening on the back, release locking fixture.



090.2331  
Plug-out: The authorized person can release the connection.

090.2295

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