

Rosenberger

Innovative Magnetic Connector Solution for Ethernet Connections

Magnetic RJ45

MEDICAL & INDUSTRIES





Portfolio Overview

Magnetic RJ45

The Rosenberger Magnetic RJ45 is available as an extension cable, either as a set or individually in different lengths and colors. The adapter cable (pigtail) comes in various colors in standard 150 mm lengths.

Stylish, unobtrusive connection of all your Ethernet enabled devices

Rosenberger's RJ45 magnetic range combines innovation with style and practicality. Engineered and tested to meet and exceed all required industry standards.

The compact, aesthetically pleasing and functional design uses the highest quality components and materials for maximum reliability, safety and durability.

Available in a choice of colors and various cable lengths, the Rosenberger Magnetic RJ45 range makes Ethernet connectivity fast and flexible.

White Label

All products are also available without the Rosenberger logo.

Description	Rosenberger No.
Magnetic RJ45 set	L99-M0044-XXX-Y
Magnetic RJ45 female adapter cable	L99-M0043-XXX-Y
Magnetic RJ45 male extension cable	L99-M0018-XXX-Y

XXX = Cable length in mm (3000, ..) | Y = color code (white, black, grey)



Break-Away Magnetic Self-Locating & Locking Interconnect Solution

Innovative Magnetic RJ45

The Rosenberger Magnetic RJ45 is an innovative magnetic connector solution for Ethernet connections.

Ideal for applications where connections and disconnections are frequently necessary, its unique self-mating and locking magnetic plug ensures the right connection every time in even the most inaccessible places. Ease of cleaning of the RJ45 components, a robust housing and the plug-in processes using magnets make the product a durable solution.

The usual features such as ease of termination, high number of mating cycles, and combined power and LAN connections all come as standard.

Magnetic break-away function for safe operation

The break-away function terminates the connection should the plug or cable be subjected to an acute tensile force, accidentally or deliberately. Being tear-proof, it avoids the risk of injury to the user and damage to the plug connection. The intentional removal of the plug is also quick and easy thanks to the break-away function.

Data and power from a single connection

One connection is all that's required for transmission of both data and power when using Power over Ethernet (PoE) compatible LAN cable devices.



At a Glance

Features

- IEEE 802.3 on: 10 Gbit/s
- ISO/ IEC 11801: S/FTP cable category 6A with Class EA system up to 500 MHz
- IEC 60603-7-51: Connector and socket
- Power over Ethernet: PoE according to IEEE802.3af and PoE+ according to IEEE802.3at
- IEC 60512-99-001: Contact and wear zone of contacts separated
- Circuit diagram 1:1 (termination according to EIA/TIA-568B)
- Cable: S/FTP 4x2x AWG26 Cat 6A LSHF, cable outer diameter 6.8 mm
- Temperature range: -25 °C to +50 °C

Applications

- Medical devices
- Hospital infotainment
- Industrial automation
- IT LAN networks
- Data centers

Benefits

- Safety due to break-away function – no damage to the device
- Simple, safe and fast connection with magnet
- High number of mating cycles
- Full compatibility with existing installations
- Robust plug/socket housing



Company Profile

About Rosenberger

Rosenberger is a leading worldwide supplier of controlled impedance and optical connectivity solutions and system components. These are designed for use and integration with mobile communications networks and data centers as well as test and measurement and high voltage contact systems. The Rosenberger Group operates manufacturing and assembly locations in over 10 countries and has a global sales network.

Rosenberger Medical & Industries

The Rosenberger Medical and Industries Business Area creates innovative products for the medical, industrial and consumer markets. Working in close cooperation with the customers we offer a complete product development package, from idea conception to volume production.

Our Medical and Industries team, based in Germany and the USA, leverages the combined resources and synergies available to it from around the world.

These include research and development, purchasing, production and sales know-how.

Quality and Environment

Our quality philosophy is not simply focused on optimizing components and products. The company also continuously seeks to improve and optimize every single process in order to achieve total customer satisfaction. This encompasses everything from product development, planning, procurement, production, sales, logistics and services to environmental policy. In short, we constantly strive to deliver maximum benefit and value to customers on a global scale.

In addition, when it comes to upholding quality standards our Corporate Social Responsibility policy extends to taking proactive steps for helping protect the environment and natural resources. As such, the company endeavours to avoid any environmental pollution, exceeding the requirements of legal regulations whenever possible.



Website

For more information refer to our website:
www.rosenberger.com/magnetic

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