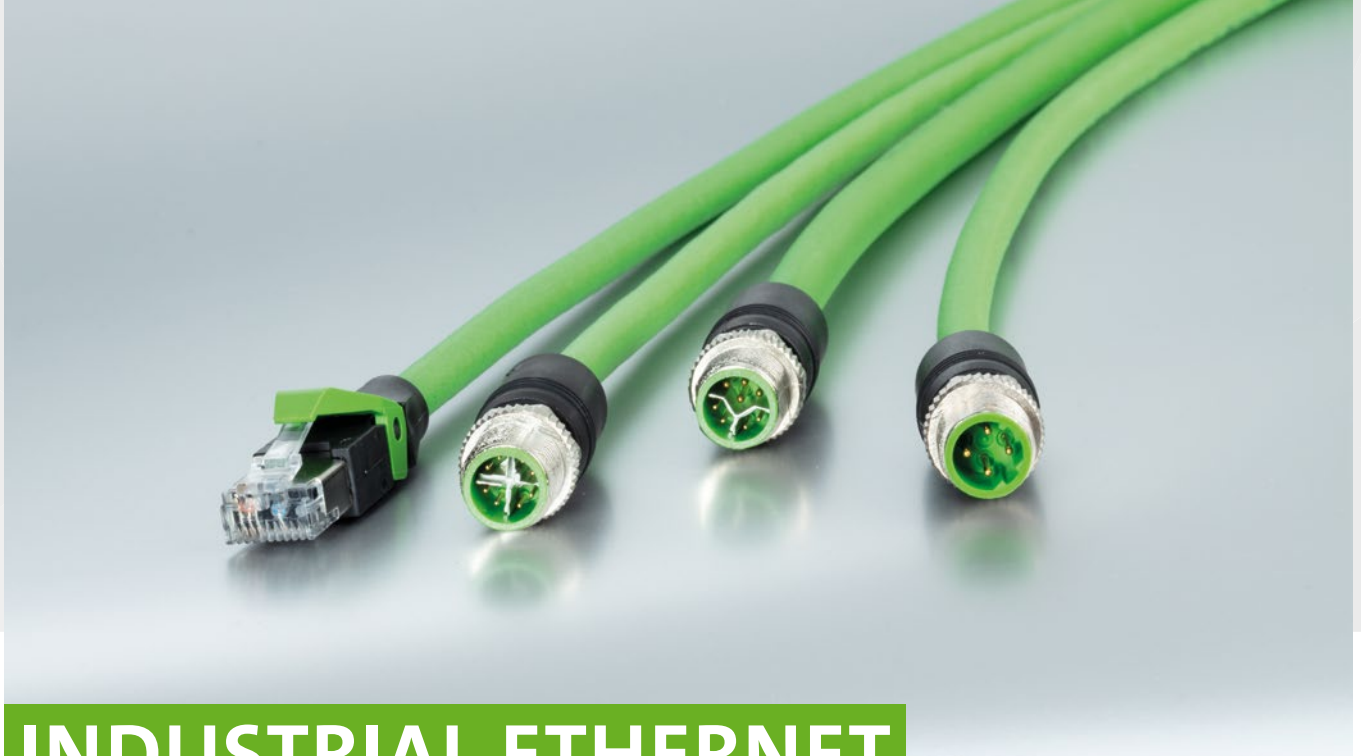


COMPACT



INDUSTRIAL ETHERNET CONNECTORS

Ethernet connectors from Murrelektronik – Versatile, powerful, reliable

Murrelektronik offers a comprehensive portfolio of high-performance Ethernet connectors for industrial networks. Our solutions enable reliable and efficient data transmission – even in demanding environments. With robust, high-quality connectors, we ensure maximum performance and optimal connectivity in your applications. Whether for industrial automation, mechanical engineering, or other applications, Murrelektronik has the right solution for your Ethernet infrastructure.

YOUR ADVANTAGES:

- 100% tested
- 360° shielding
- Robust and protected thanks to IP20/IP67
- Support for common Ethernet protocols
- Secure installation



EtherNet/IP

SERCOS
the automation bus

EtherCAT

ETHERNET
POWERLINK





Reliable and tried and tested: M8 and M12 D-coded

Interference-free data transmission up to 100 Mbit/s – no problem with the M8 and M12 D-coded Ethernet connectors. They are suitable for all common Ethernet protocols and can be flexibly adapted – whether pre-assembled or self-connecting, straight or angled.

The 360° shielding concept provides reliable protection against electromagnetic interference and ensures a stable, secure connection.

The compact M8 connector saves up to 30% installation space compared to classic M12 solutions – with identical performance. Smaller design, maximum performance, zero compromises.

Whether M8, M12, or RJ45 – the free combination of different designs enables efficient and customized installation concepts.



High speed and high power: M12 X- and Y-coded connectors

The M12 X-coded connectors enable reliable data transmission at up to 10 Gbit/s and, thanks to their robust design and 360° shielding, are ideal for use in harsh industrial environments.

The M12 Y-coded variants combine data and power transmission in a single interface, support up to 100 Mbit/s, and deliver up to 6 A per pin – for less cabling, faster installation, and lower costs.

Both versions deliver maximum performance and reliability in future-proof network applications.



Quality that connects: RJ45 connectors

Murrelektronik's RJ45 connectors offer reliable solutions for industrial Ethernet applications.

Whether PROFINET, EtherNet/IP, or EtherCAT: Murrelektronik offers the right RJ45 connectors – 4-pin for 100 Mbit/s, either straight or angled (45°/90°) – or 8-pin for up to 10 Gbit/s. The continuous 360° shielding ensures optimum signal quality and reliable protection against electromagnetic interference.

With IP20 protection, the connectors are ideal for use in control cabinets. Murrelektronik RJ45 connectors – quality-conscious, robust, and easy to install.

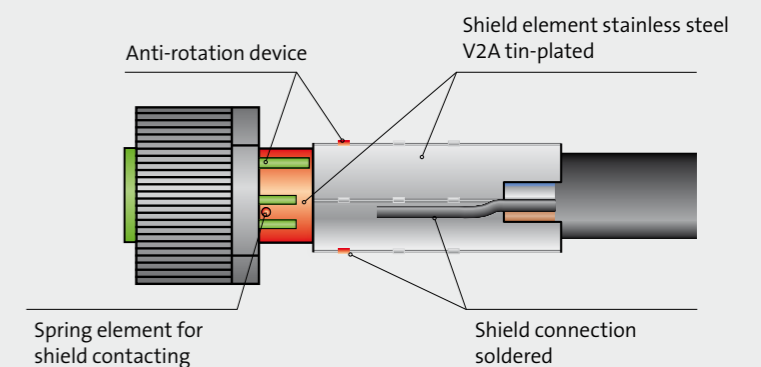
The **Professional Line** stands for maximum robustness and durability thanks to its overmolded design and simple release mechanism.

The **Cabinet Line** is a compact, economical variant for control cabinets, ideal for low mechanical loads.

i Did you know?

For M8 and M12 round connectors for data transmission, Murrelektronik relies on 360° full shielding for secure data transmission in industrial environments (IP65/IP67).

The Murrelektronik shielding concept with its material-locking connections ensures error-free transmission even with dragging movements and torsion.



Order details

You can find information about our products and delivery times at any time in our online shop.



M8 D-CODED

Open ended wires		4-pole
Description Page 1	Description Page 2	Art.-No.
Male 0°	Open ended wires	7000-09001-xxxxxxx
Female 0°	Open ended wires	7000-09041-xxxxxxx
Connecting cables		4-pole
Description Page 1	Description Page 2	Art.-No.
Male 0°	Male 0°	7000-86001-xxxxxxx
Male 0°	Female 0°	7000-86051-xxxxxxx
Male 0°	Female 0°	7000-86551-xxxxxxx
Male 0°	RJ45 Plug 0°	7000-86101-xxxxxxx

M12 D-CODED

Open ended wires		4-pole
Description Page 1	Description Page 2	Art.-No.
Male 0°	Open ended wires	7000-14541-xxxxxxx
Male 90°	Open ended wires	7000-14641-xxxxxxx
Connecting cables		4-pole
Description Page 1	Description Page 2	Art.-No.
Male 0°	Plug 0°	7000-44511-xxxxxxx
Male 0°	RJ45	7000-44711-xxxxxxx
Male 0°	Flange socket	7000-44811-xxxxxxx

M12 X- AND Y-CODED

Open ended wires		8-pole X-coded	8-pole Y-coded
Description Page 1	Description Page 2	Art.-No.	Art.-No.
Male 0°	Open ended wires	7000-21001-xxxxxxx	7000-15501-xxxxxxx
Male 90°	Open ended wires	7000-21021-xxxxxxx	7000-15521-xxxxxxx
Connecting cables		8-pole X-coded	8-pole Y-coded
Description Page 1	Description Page 2	Art.-No.	Art.-No.
Male 0°	Male 0°	7000-51001-xxxxxxx	7000-47001-xxxxxxx
Male 0°	Female 0°	7000-51051-xxxxxxx	7000-47051-xxxxxxx
Male 0°	Flange socket	7000-51551-xxxxxxx	7000-47151-xxxxxxx

RJ45 PROFESSIONAL LINE

Open ended wires		4-pole	8-pole
Description Page 1	Description Page 2	Art.-No.	Art.-No.
Male 0°	Open ended wires	7000-74101-xxxxxxx	7000-74111-xxxxxxx
Connecting cables		4-pole	8-pole
Description Page 1	Description Page 2	Art.-No.	Art.-No.
Male 0°	Male 0°	7000-74301-xxxxxxx	7000-74311-xxxxxxx

RJ45 CABINET LINE

Open ended wires		4-pole	8-pole
Description Page 1	Description Page 2	Art.-No.	Art.-No.
Male 0°	Male 0°	7000-74701-xxxxxxx	7000-74711-xxxxxxx