COMPACT

MURR ELEKTRONIK

stay connected

FULL SPEED
ON THE DATA HIGHWAY

Murrelektronik's M12 connectors with x-coding enable error-free high speed data transfer with up to 10 gigabits per second.

A metal cross (x-shaped) in the connector safely separates the four data pairs from each other. The cables are also shielded from external interference. Combining RJ45 connections in the office and x-coded M12 connections in the field makes it possible to establish a consistent gigabit communication in companies.

Murrelektronik offers the x-coded M12 connectors together with highly-resistant PUR cables – they are perfect for applications in industrial environments.

X CODING

FOR A PERFECT DATA DATAFLOW

- **10 Gbit/s data transfer rate according to Cat. 6 A (ISO/IEC 11801)**
- **M12 x-coded (IEC 61076-2-109)**
- **360° shielded**
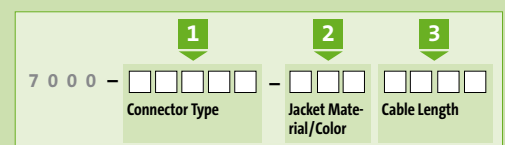- **Suitable for applications in industrial environments up to IP65/67**

INCREASED REQUIREMENTS

Industrial Ethernet applications require continuously higher transfer rates. High speed vision systems that generate a high data volume are a prime example. Standardized communication structures are getting more important.

Industrial M12 connectors with Murrelektronik quality offer the right solution.

M12 male connector 0° x-coded, open-ended wires	**7000-21001-790xxxx**	
M12 male connector 90° x-coded, open-ended wires	**7000-21021-790xxxx**	
M12 male connector 0° x-coded, M12 male connector 0° x-coded, (connection cable)	**7000-51001-790xxxx**	
M12 male connector x-coded, Insulation displacement technology	**7000-21101-0000000**	
M12 flange connector female x-coded, front mounting, dip-soldered contacts	**7000-21151-0000000**	
M12 flange connector female x-coded, rear mounting, dip-soldered contacts	**7000-21161-0000000**	

ARTICLE NUMBER SYSTEM

The article number consists of three blocks: connector type, jacket material/color and cable length.

7 0 0 0 – ☐☐☐☐☐ – ☐☐☐ ☐☐☐☐

1 Connector Type **2** Jacket Material/Color **3** Cable Length

COMPACT

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M12 CONNECTION TECHNOLOGY FOR STATE-OF-THE-ART INDUSTRIAL ETHERNET APPLICATIONS

HYBRID CABLES

PARALLEL TRANSFER OF DATA AND POWER

Transferring data and power in one connector is now possible with Murrelektronik's y-coded M12 cordsets!

The metal y-coding separates the four contacts for power transfer from the four signal contacts in the pin arrangement. This makes it possible to transfer up to 100 Mbit/s data while 2×6 A power is available which reduces costs and facilitates the installation.

Y-coded M12 connectors combined with PUR cables suitable for C-tracks are great for moving applications.

Y CODING

ONE CABLE - TWO USES

- **Transfer data and power with one connector**
- **Data transfer according to Cat. 5e (ISO/IEC 11801, Class D)**
- **Power transfer up to 2× 6 A**
- **360° shielded**
- **Suitable for applications up to IP65/67**

INCREASED REQUIREMENTS

Industrial Ethernet applications are focusing more and more on the installation costs. The concept transferring both data and power with only one cable helps reduce components and efforts.

Industrial M12 connectors with Murrelektronik quality offer the right solution.

M12 male connector 0° y-coded, open-ended wires	**7000-15501-831xxxx**
M12 male connector 90° y-coded, open-ended wires	**7000-15521-831xxxx**
M12 male connector 0° y-coded, M12 male connector 0° y-coded, (connection cable)	**7000-47001-831xxxx**
M12 flange connector female y-coded, Dip-soldered contacts	**7000-15701-0000000**
M12 flange connector female y-coded, Dip-soldered contacts	**7000-15711-0000000**

ARTICLE NUMBER SYSTEM

The article number consists of three blocks: connector type, jacket material/color and cable length.

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7 0 0 0 – [1] ☐☐☐☐☐ – [2] ☐☐☐ [3] ☐☐☐☐
            Connector Type    Jacket Mate-   Cable Length
                              rial/Color
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The information contained herein has been compiled with the utmost care. Liability for the correctness, completeness and topicality of the information is restricted to gross negligence.   Art. No. 9871101