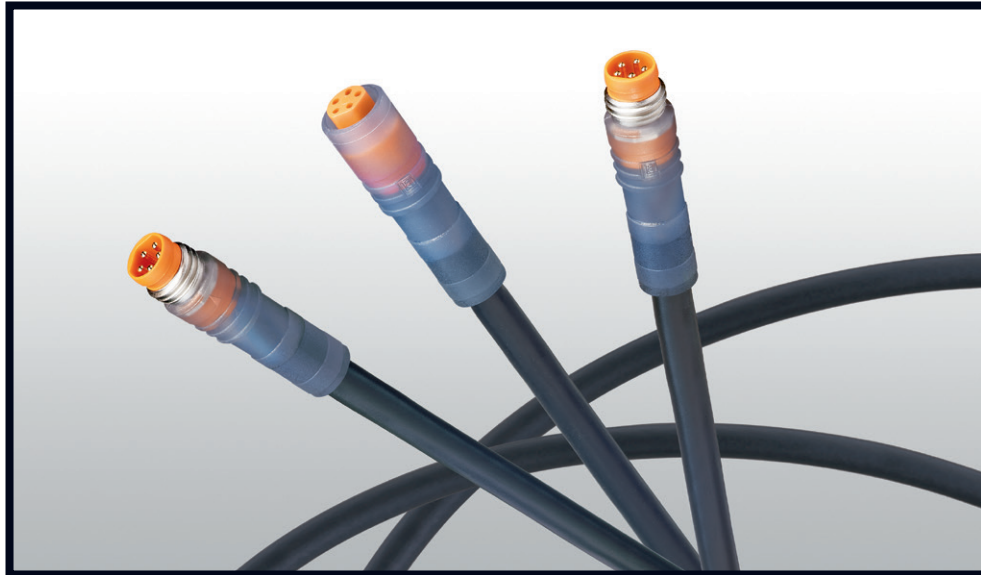


PB00043LA

M8 5-pole B-coded Cordsets

M8 5-pole B-coded cordsets are equipped with an extended power range and snap connection feature – ensuring high-performance reliability and making installation easy when available space is limited.



The industry-proven M8 technology offers outstanding handling characteristics while meeting to global industry standards, such as UL 2238* (Underwriters Laboratories) and IEC 61076-2-104, delivering a high-performance solution ideal for small electronics applications.

- **Performance** – The M8 cordsets are designed to exceed current specifications according to IEC 61076-2-104 and reach a maximum of 4 amps of current and up to 63 V. These products allow for more than 2½ times as much power transmission as standard specifications.
- **Operational efficiency** – Space-saving M8 technology, in combination with the fast installation capability of the snap connection, make the M8 5-pole cordsets extremely efficient in regards to space and set-up time.
- **Convenience** – Snap and snap/thread attachment options deliver the highest flexibility and convenience in installation. Further, the high-quality design and standardized B-coding ensure a polarized connection that exceeds even the highest industry standards of IEC 61076-2-104.

Built to keep pace with the trend toward the Industrial Internet of Things (IIoT), the M8 5-pole B-coded cordsets provide a robust solution with greater power at a smaller size, ensuring the highest performance in the field.

Applications

The M8 5-pole B-coded cordsets facilitate transmission of power and signals reliably via a compact interface to small electronic drives and sensors, making them an ideal solution for miniature robotics applications.

Specifying and design engineers, contractors and installers, and system integrators operating in machine building, material handling and industrial automation settings, will benefit from the product's outstanding handling characteristics, extended power range and easy installation that comes with the industry-proven M8 technology.

Your Benefits

Equipped with snap connections, these cordsets offer a quick attachment option that fulfills the highest demands in installation speed and convenience. Connecting sensors and compact actuators with these cordsets can be achieved in a matter of seconds. Even the newest generation of I/O link sensors Class A and B can be connected.

The ease of installation delivered by the new cordsets is especially helpful for connecting interfaces in situations where multiple end devices need to be connected in space-restricted areas. Increased current and voltage ratings, as well as flexible and adjustable cable lengths, differentiate the portfolio of these cordsets from any product available on the market.

A new product to serve your needs. Be certain.

M8 5-pole B-coded Cordsets

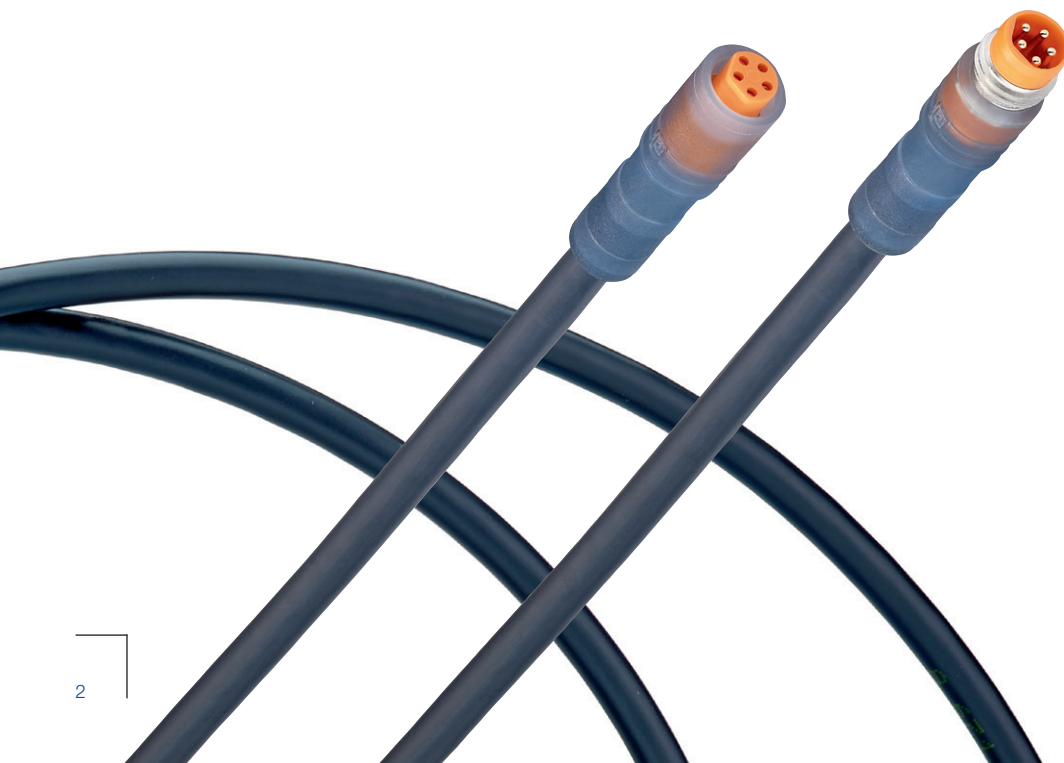
The M8 5-pole B-coded cordsets are available in both male and female versions and deliver the highest application flexibility on the market, especially when combined with the industry's most popular M12 technology and Lumberg Automation's new LioN-Power system. Designed to meet the increasing requirements of IIoT, this system will revolutionize industrial connectivity in the field as the most innovative one-stop solution.

Meeting industry demand for miniature connectivity solutions, this system also features the increasingly popular I/O Link functionality and reduces the weight and size needed for installation. Further, it will enable a reduction of stock and maintenance costs due to multiprotocol I/O modules with standardized M12 Power connection.

Benefits at a Glance



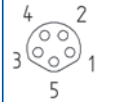
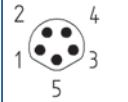
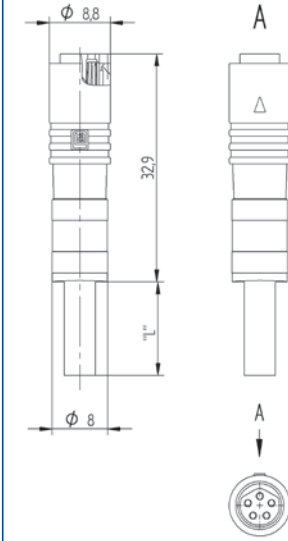
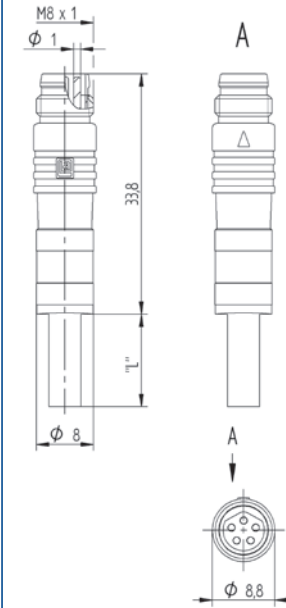
- Extended power range with a peak of 4 A of current and 63 V on two pins
- Equipped with 5-poles, B-coded
- Snap and snap/thread connections for quick attachment options and exceptional handling characteristics
- Outstanding price/performance ratio
- One-stop solution with new, highly flexible LioN-Power system
- Certification according to UL 2238* standard
- Ensuring a polarized connection that exceeds even the highest industry standards of IEC 61076-2-104

Correct polarized
connection at any time.





Technical Information

Product Description		
Type	RKM 5	RSM 5
		
Description	M8 5-pole B-coded female cordsets with snap connection	M8 5-pole B-coded male cordsets with snap connection
RoHS (2011/65/EU)	-	
(Construction Type) Standard	IEC 61076-2-104	
Approvals	UL*	
Technical Data		
Ambient Temperature	-40 °C to +90 °C, notice derating	
Housing Material/Grip	TPU	
Contact Holder Material	PA	
Contact Material/Surface Finish	CuZn, nickel underlay and gold-plated	
Screw Coupling Material	CuZn, nickel-plated	
Mechanical Data		
Degree of Protection	IP65	
Electrical Data		
Contact Resistance	≤ 5 mΩ	
Rated Voltage	63 V	
Rated Current	3 A (0.25 mm ²)/4 A (0.34 mm ²)	
Pollution Degree	3 acc. to IEC 60664-1 (VDE 0110-1)	
Technical Drawing		
Pin Assignment	M8, female, 5-poles  <ul style="list-style-type: none"> 1 = brown 2 = white 3 = blue 4 = black 5 = grey 	M8, male, 5-poles  <ul style="list-style-type: none"> 1 = brown 2 = white 3 = blue 4 = black 5 = grey
Technical Drawing		

* pending

Belden Connectivity Center

Nowadays it is more important than ever to continuously increase the efficiency of production processes. Safe, cost-effective connectivity solutions for your machinery and plant play an important role in achieving this. Customized solutions tailored to your individual requirements enable you to substantially reduce your total cost of ownership. Thanks to the Belden Connectivity Center, the only one of its kind in the market, we are your worldwide partner when it comes to implementing such solutions, flexibly and rapidly, whether you need customized connectors and cable assemblies, or active and passive I/O modules for fieldbus or Ethernet networks – always in line with our motto "listen, understand, implement and deliver." You will benefit both from the expertise of our knowledgeable specialists and from our extensive experience as a leading supplier of high-quality automation components. Let us utilize your challenges for our mutual success.

About Belden

Belden Inc., a global leader in high quality, end-to-end signal transmission solutions, delivers a comprehensive product portfolio designed to meet the mission-critical network infrastructure needs of industrial, enterprise and broadcast markets. With innovative solutions targeted at reliable and secure transmission of rapidly growing amounts of data, audio and video needed for today's applications, Belden is at the center of the global transformation to a connected world. Founded in 1902, the company is headquartered in St. Louis, USA, and has manufacturing capabilities in North and South America, Europe and Asia.

For more information, visit us at www.beldensolutions.com and follow us on Twitter [@BeldenInc](https://twitter.com/BeldenInc).