



## **binder UK to show Rail Approved Connectors at Railtex**

binder will be showcasing its complete range of innovative circular connectors and market leading sensor connectors on stand P57. Among the featured products will be the company's M12 connector portfolio which has recently been approved for use in railway applications.

binder, a family-owned company employing 1700 people worldwide, is a technology and market leader in the field of industrial circular connectors supplying a wide range of high quality connectors for all types of applications including rolling stock, passenger information and access control.

### **M12-X Railway**

Binder's range of X-coded M12 connectors is now approved for rail applications by meeting the standards for vibration and fire; DIN EN 50155 and DIN EN 45545-2 respectively.

The 8-pole, X-coded connectors feature data transmission speeds of up to 10Gbit/s and will prove highly valuable in rail applications for ethernet protocols, communications, security, CCTV and passenger information systems.

The high bandwidth is achieved by isolating the four pairs of wires from one another with a cross or X-coding shield for separation of the transmissions. This ensures that the Ethernet wiring will remain compatible with the growing requirement to transmit high volumes of data. The X-coding conforms to the industry standard IEC

61076-2-109 and is specified for broadband transmission by Ethernet protocols including PROFINET.

### **About binder**

Based in Neckarsulm, Germany, binder has offices in Germany, Switzerland, France, the United Kingdom, Sweden, the Netherlands, China, Singapore and the USA.

The UK operation is based in Hemel Hempstead and was formed in 2009 to serve a growing UK market for the binder range of industrial circular connectors.

[www.binder-connector.co.uk](http://www.binder-connector.co.uk)

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