

INTRODUCING M12 X-CODE RIGHT ANGLE

- **Extremely low height (42.5mm) when mated** allows for usage of the right angle connector in confined spaces providing space savings
- **Jacket crimp system reduces cable breakage and thereby reduces the cost of service**



Extremely ruggedized M12 connectors for field assembly for railway industry, provides 10Gb/s data speeds in a right angle connector that safely and reliably supports communication in harsh environments.

KEY BENEFITS

- Low height
- Tamper free
- IP67 waterproof
- Low number of components
- Jacket crimping Decrease installation cost with system modularity design

APPLICATIONS

- Onboard Ethernet networks that connect i.e.:
 - Passenger information system
 - Passenger entertainment systems
 - Surveillance systems
- To the train network

ELECTRICAL

- Data transmission rate up to 10Gb/s
- ACC IEC802.3an Cat 6a
- Current Rating 0.5A
- Nominal Voltage 48V
- Contact Resistance <5 mOhm
- Insulation Resistance >= 100MOhm

MECHANICAL

- Length with boot 53.5mm
- Diameter 16mm
- Temp rating with boot: -40 to 70C
- Temp rating w/o boot: -40 to 85C

MATERIALS

- Grip Boot: TPE
- Back nut and sleeve: Cu Alloy Ni plated
- Crimp insert: Cu Alloy Ni plated
- Crimp contacts: Cu Alloy Au plated
- Contact holder: Thermoplast
- Front housing: Cu Alloy Ni plated
- O-Ring seal: Elastomer

STANDARDS & SPECIFICATIONS

- IP67
- Vibration tested acc IEC61076-2-101
- Fire and smoke 45545-2
- Connector per 61076-2-109

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