



M12 X-CODED RIGHT ANGLE

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.

BENEFIT STATEMENTS

- 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
- Pre assembled components and jacket crimping allow for up to 30% faster assembly time.

KEY FEATURES

- Compact dimensions
- Quick and simple assembly
- IP67 waterproof
- Screw machined crimp contacts
- Flexible cable exit options (8 positions at 45° increments)
- 360° EMI/RFI shielding by extra rugged, crimped strain relief
- Vibration and torsion proof, crimped strain relief

M12 X-CODED RIGHT ANGLE

APPLICATIONS

- Onboard Ethernet networks that connect i.e.:
 - Passenger information systems
 - Passenger entertainment systems
 - Surveillance systems
 - Onboard Wi-Fi networks

ELECTRICAL SPECIFICATIONS

- Data transmission rate up to 10Gb/s
- Acc. IEC802.3an cat 6a
- Current rating 0.5A
- Nominal voltage 48V
- Contact resistance $<5m\Omega$
- Insulation resistance $\geq 100M\Omega$

MECHANICAL SPECIFICATIONS

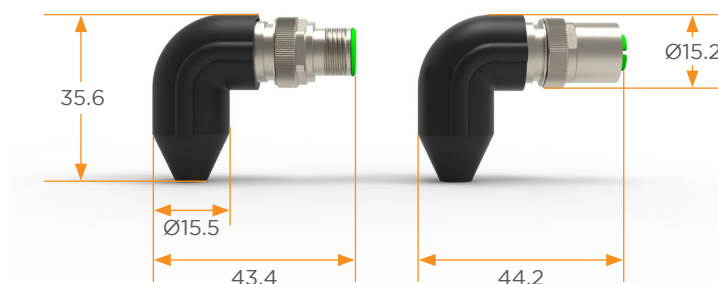
- Durability 250 cycles
- Temp rating with booth: -40°C to 70°C
- Temp rating w/o booth: -40°C to 85°C
- IP Protection: IP67
- Conductor size: AWG22-26

MATERIAL SPECIFICATIONS

- Housing: Cu Alloy Ni plated
- Crimp contacts: Cu Alloy Au plated
- Contact holder: Thermoplast
- O-Ring seals: Elastomer
- Grip Booth: TPE

STANDARDS & SPECIFICATIONS

- Connector according to IEC 61076-2-109
- Vibration tested acc EN 61373 Category 1, class B
- Fire and smoke 45545-2 HL23, R22/R23



Dimensions in mm

PARTS LIST

Picture	Part number	Description	Coding	Number of positions	Gender	Applicable on cable	Manufacturer Partnumber	Speed
	2350791-1	M12 X8M right angle for H&S Radox cat 7	X	8	Male	Radox 8.2mm	H&S 84124806	Cat 7
	2350791-2	M12 X8M right angle for TE cat 7				TE cat 7 TECC0011C7	TE 2297799-1	Cat 7
	2350797-1	M12 X8F right angle for H&S Radox cat 7			Female	Radox 8.2mm	H&S 84124806	Cat 7
	2350797-2	M12 X8F right angle for TE cat 7				TE cat 7 TECC0011C7	TE 2297799-1	Cat 7

te.com

© 2019 TE Connectivity. All Rights Reserved.

TE, TE Connectivity, and the TE Connectivity (logo) are trademarks of TE Connectivity. Other logos, product and company names mentioned herein may be trademarks of their respective owners.

While TE has made every reasonable effort to ensure the accuracy of the information in this brochure, TE does not guarantee that it is error-free, nor does TE make any other representation, warranty or guarantee that the information is accurate, correct, reliable or current. TE reserves the right to make any adjustments to the information contained herein at any time without notice. TE expressly disclaims all implied warranties regarding the information contained herein, including, but not limited to, any implied warranties of merchantability or fitness for a particular purpose. The dimensions in this catalog are for reference purposes only and are subject to change without notice. Specifications are subject to change without notice. Consult TE for the latest dimensions and design specifications.

1-1773977-4 06/19 Tangence