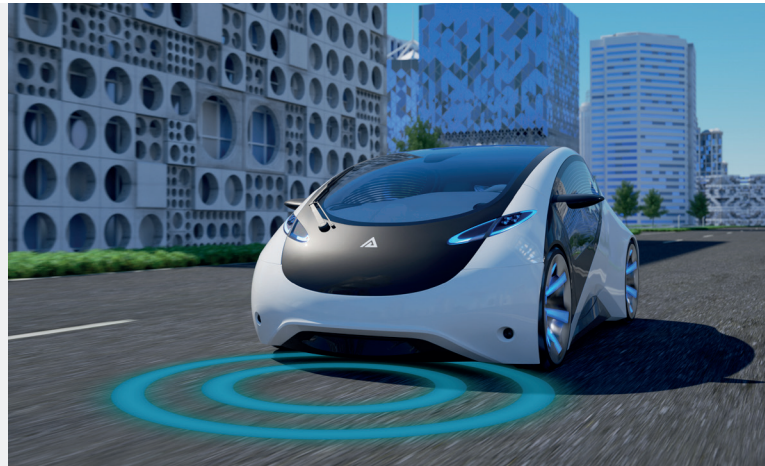


H-MTD – High-Speed Modular Twisted-Pair Data

Perfectly Assembled Cables – Our USPs

- › Highly automated production line with modular transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various cable variants (STP, SPP)
- › Globally standardized machinery



Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept (standard connector with 1-, 2- and 4-way housings)
- › Automated assembly with process monitoring
- › Small but robust design

Technical Information

Electrical

Return loss ≥ 30 dB, 0.01 GHz
up to 3 GHz

Mechanical

Keying efficiency ≥ 150 N
Engagement force < 45 N
Retention force latch ≥ 110 N
Mating cycles ≥ 25

Environmental

Temperature range -40 °C up to $+105$ °C
Qualification according to DIN EN 60068 -2

Specification according to Rosenberger datasheet

Requirements

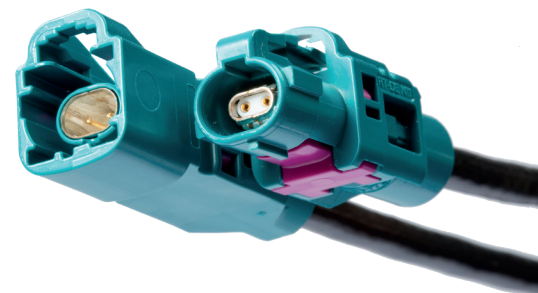
Combination of high-performance data transmission up to 15 GHz and 20 Gbps and a small and robust design

Applications

- › 4K camera systems
- › Autonomous driving
- › 4K high-resolution displays
- › Rear seat entertainment

Protocols & Signals

- › LVDS
- › Automotive Ethernet
- › FPD-Link
- › GMSL
- › APIX
- › PCIe
- › MIPI A-PHY
- › Next generation protocols



MD in a Nutshell



The C.A.S.E. megatrend describes the four essential future topics for the automotive industry: Connected, Autonomous, Shared & Service and Electric. Data plays a central role and drives the future of the automotive industry. Data is generated, transferred, merged and evaluated. We are experts in the transmission of the rapidly increasing data volumes and have developed the latest technological solutions for this future topic.

25

years experience
in the automotive industry



100 %

automotive



Supplier of products for
over 350 car models from
more than 60 OEMs



Volume supplier – over
160 million products in more than
20,000 variants annually



Global production- &
sales network in NAFTA,
Europe and APAC



Stable
ownership structure



Worldwide leading
company for data transmission
solutions in vehicles



Approx. 6,000
employees worldwide



Accredited in-house
test laboratory

Do you have any questions or need a data transmission solution in vehicles?
Please contact us: product-info@md-elektronik.com

www.md-elektronik.com