

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

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
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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



Cable Assembler

with 50 years of experience



Flexible Volume Supplier

More than 180 million products in over 20,000 variants every year and more than 450 car models from over 90 OEMs



Automotive Supplier

for more than 30 years



Independent, integrated technology leader

with an in-house mechanical engineering department for production equipment



Leading Global Specialist

for data transmission solutions in vehicles



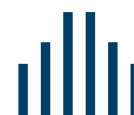
Globally Accredited Test Laboratories

as a quality factor for standard-compliant methodology and reliable evaluations



Over 5,000 employees

worldwide with a global manufacturing and distribution network



Foundation Company

with a clear focus on the sustainable preservation of the company, constant innovation and secure jobs