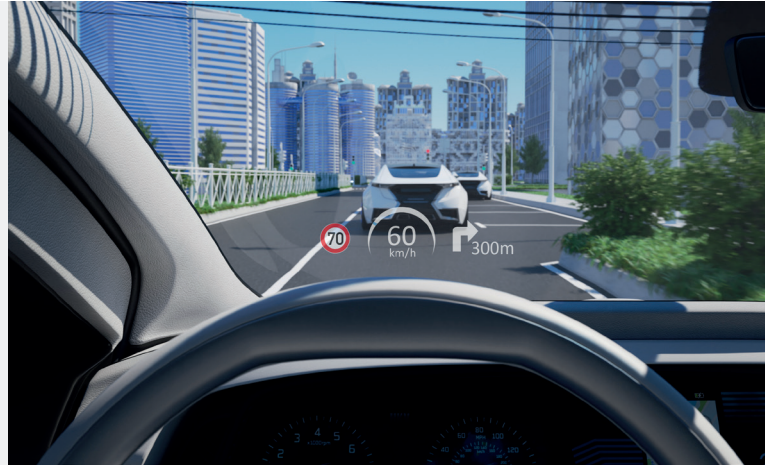


# HSDe – High-Speed Data Ethernet

## Perfectly Assembled Cables – Our USPs

- › Automated production line with transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Globally standardized machinery
- › Cable cross-section 0.35 mm<sup>2</sup>



## Your Advantages

- › Robust data transmission with LVDS principle
- › Less mating processes due to a unit chamber concept and different housings
- › Small installation space with a robust design
- › 180° variants: 7 codings + waterproof;
- › angled variants: only as door connector (without housing)

## Technical Information

### Electrical

Return loss	≥ 25 dB, DC up to 100 MHz
	≥ 15 dB, 100 MHz up to 500 MHz
	≥ 10 dB, 500 MHz up to 1 GHz

### Mechanical

Keying efficiency	≥ 80 N
Engagement force	≤ 30 N
Retention force latch	≥ 110 N
Mating cycles	≥ 25

### Environmental

Temperature range	-40 °C up to +105 °C
Qualification according to	LV 214 / USCAR

*Specification according to Rosenberger datasheet*

## Requirements

2 data pairs for bi-directional data transmission or simultaneous voltage and data supply in a compact design for frequencies up to 1 GHz

## Applications

- › Cameras
- › ADS / ADAS
- › Displays
- › ECU network connection

## Protocols & Signals

- › Automotive Ethernet
- › Broad-R-Reach



# 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](mailto:product-info@md-elektronik.com)

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