

# **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 mm²



## **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

 $\geq$  15 dB, 100 MHz up to 500 MHz  $\geq$  10 dB, 500 MHz up to 1 GHz

#### Mechanical

Keying efficiency  $\geq 80 \text{ N}$ Engagement force  $\leq 30 \text{ N}$ Retention force latch  $\geq 110 \text{ N}$ Mating cycles  $\geq 25$ 

#### **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