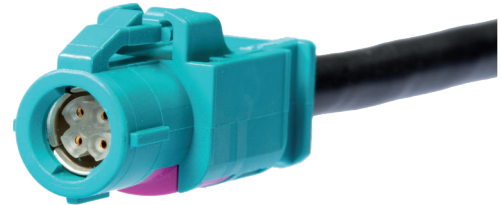


HSD – High-Speed Data

Our USPs

- › Automated production line with transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Globally standardized machinery
- › Various cable variants available
- › Handling of various cable cross-sections, such as 0.14 mm², 0.35 mm² and 0.5 mm²



Your Advantages

- › Robust data transmission with LVDS principle and double shielding
- › Less mating processes due to a unit chamber concept and different housings (double HSD, HSD+2, HSD+4, HSD+8)
- › Various applications due to various cable variants (static, dynamic, engine compartment)
- › Small installation space with a robust design
- › 14 codings and 4 exit directions for all installation space situations

Requirements

2 data pairs for bi-directional data transmission or simultaneous voltage and data supply in a compact design for frequencies up to 3 GHz

Applications

| | |
|----------|-------------------------|
| Cameras | ADS / ADAS |
| Displays | Rear seat entertainment |

Technical Information

| Electrical | |
|-----------------------|---|
| Return loss | > 20 dB, DC up to 1 GHz |
| Screening attenuation | ≥ 75 dB, DC up to 1 GHz ≥ 65 dB, 1 GHz up to 2 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

Protocols & Signals

| | |
|------|---------------------|
| LVDS | APIX |
| USB | Automotive Ethernet |
| LIN | FPD-Link |
| GMSL | PCIe |



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



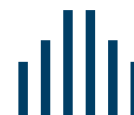
Globally Accredited Test Laboratories

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Over 5,000 employees

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Foundation Company

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