

FAKRA SF = Stamped and Formed

Perfectly Assembled Cables – Our USPs

- › Hybrid cable assemblies:
Different FAKRA technologies with different Mini Coax technologies
- › Assembly of different cable types such as: RTK031 and RG174
- › Special solutions
- › Globally standardized machinery



Your Advantages

- › Sealed and non-sealed variants
- › 90° and 180° variants
- › 13 mechanical and colored codings and one neutral coding
- › Highly automated assembly incl. process monitoring

Technical Information

Electrical

Return loss	6 GHz up to 12 dB (VW LAH V03 825) 3 GHz up to 14 dB (USCAR)
-------------	--------------------------------------------------------------------

Mechanical

Engagement force	≤ 25 N
Cable retention force	≥ 110 N (depending on cable)
Dynamic load	Load level 2

Environmental

Temperature range	-40 °C up to +105 °C (depending on cable)
-------------------	----------------------------------------------

Specification according to Rosenberger datasheet

Requirements

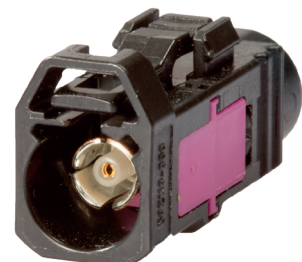
- › Automotive connector system for all RF-based applications in the automotive industry
- › Component according to ISO 20860-1 and USCAR 18

Applications

- › Autonomous driving (LiDAR)
- › Rear seat entertainment
- › Driver assistance system
- › Surround view

Protocols & Signals

- › FPD-Link
- › GMSL
- › Wi-Fi
- › AM / FM / 5G
- › GPS
- › CoaXPress
- › Bluetooth



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



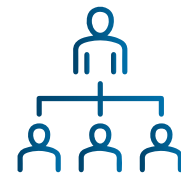
Supplier of products for
over 350 car models from
more than 60 OEMs



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