

FAKRA LC-plus

Perfectly Assembled Cables – Our USPs

- › Hybrid cable assemblies:
Combination of different FAKRA and Mini Coax technologies on one cable
- › Assembly of different cable types
such as: RTK031 and RG174
- › Customer-specific solutions possible
- › 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 production line
incl. process monitoring

Technical Information

Electrical

Return loss 6 GHz up to 12 dB
(VW LAH V03 825)

Mechanical

Engagement force ≤ 25 N
Cable retention force ≥ 110 N
(depending on cable)
Dynamic load Load level 2
Angled pull 90° ≥ 70 N
Angled pull 180° ≥ 60 N

Environmental

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

Specification according to ROKA datasheet

Requirements

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

Applications

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

Protocols & Signals

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



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. 5,000 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