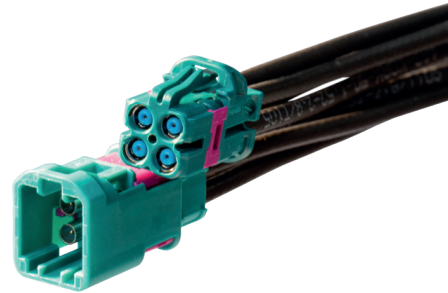


MATE-AX – Miniaturized Automotive Terminals for Coax

Our USPs

- › Hybrid cable assemblies
- › (FAKRA (ISO 20860-1) – MATE-AX)
- › Assembly of different cable types such as: RTK031 and RG174
- › Special solutions
- › Globally standardized machinery



Your Advantages

- › Save up to 70 % of installation space
- › Very high data rate with very short latency time
- › Weight reduction
- › Automated assembly with automated process monitoring

Technical Information

Electrical	
Screening attenuation	≤ -50 dB up to 6 GHz
Return loss	≤ -15 dB up to 9 GHz
Crosstalk (NEXT)	≤ -50 dB up to 6 GHz

Mechanical	
Engagement force	≤ 55 N
Cable retention force	≥ 100 N (depending on cable)
Angled pull	≥ 75 N
Keying efficiency	≥ 130 N
Dynamic load	Load level 2

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

Specification according to TE datasheet

Requirements

- › Data cables for high-bitrate data transmission according to automotive quality standards while saving installation space and weight.
- › Component tested according to LV 214 / USCAR

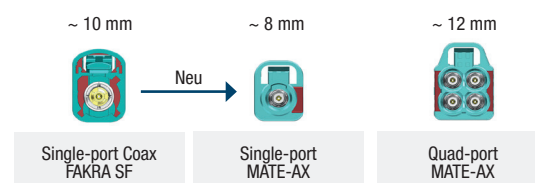
Applications

Autonomous driving (LiDAR)	Rear seat entertainment
Driver assistance system	Surround view
Display applications	

Protocols & Signals

LVDS	GMSL / FPD-Link
APIX 3	CoaXPress
AM / FM / 5G	Bluetooth / Wi-Fi
GPS	MIPI A-PHY

Dimensions FAKRA SF and MATE-AX



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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



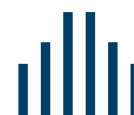
Globally Accredited Test Laboratories

as a quality factor for standard-compliant methodology and reliable evaluations



Over 5,000 employees

worldwide with a global manufacturing and distribution network



Foundation Company

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