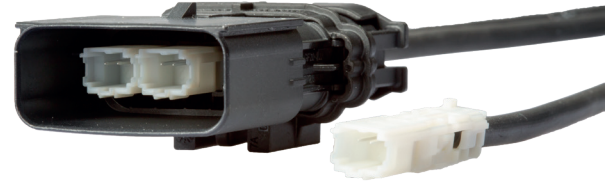


AMEC – Automotive Modular Ethernet Connection

Our USPs

- › Automated production line with modular transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various cable variants (STP, UTP) by using adapted housings
- › Globally standardized machinery



Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept (1- and 2-row housing variants with up to 8 ports) in sealed and non-sealed design
- › Automated assembly with process monitoring
- › Compact and ergonomic design

Technical Information

Electrical	
Return loss	≥ 11 dB, 400 MHz up to 600 MHz

Mechanical	
Keying efficiency	≥ 150 N
Engagement force	< 45 N
Retention force latch	≥ 110 N
Mating cycles	≥ 25

Environmental	
Temperature range	-40 °C up to +105 °C
Qualification according to	LV 214 / USCAR

Technical information according to Aptiv datasheet

Requirements

Combination of a multi-functional and modular data transmission system up to 600 MHz and 1 Gbps in a compact design.

Applications

Electromobility

Autonomous driving

ECU network connection

Protocols & Signals

Automotive Ethernet



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