

# ADTCon-UTP H

## Our USPs

- › Semi-automated production line with modular transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various jacketed cable variants (JUTP) and individual twisted-pair wires (UTP) as well as cross-sections (0.13 mm<sup>2</sup> / 0.14 mm<sup>2</sup> and 0.35 mm<sup>2</sup>)
- › Globally standardized machinery and processes



## Technical Information

### Electrical

Return loss	≥ 12.8 dB, 1 MHz up to 66 MHz
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### Mechanical

Polarization efficiency	≥ 150 N (depending on housing)
Engagement force	< 25 N (depending on housing)
Retention force latch	≥ 110 N (depending on housing)
Mating cycles	Tested to 10

### Environmental

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

USCAR	777-U-002-1-Z01 & 777-S-002-1-Z01 <sup>*3</sup>
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### Cavity

USCAR	CAV-U-STP-F-002 & CAV-S-STP-M-002 <sup>*4</sup>
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## Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept
- › Small but robust design
- › Installation with waterproof components possible
- › Mating and cavity compatibility with own ADTCon-STP H, as well as competitor housings H-MTD<sup>\*1</sup> and GEMnet<sup>\*2</sup>
- › High cable retention forces

## Requirements & Applications

Combination of high-performance data transmission up to 600 MHz and 1 Gbps and a small and robust design.

### Applications

LiDAR

Radar

Sensors

## Protocols & Signals

LVDS

A<sup>2</sup>B

Automotive Ethernet

10BASE-T1S

100BASE-T1

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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