



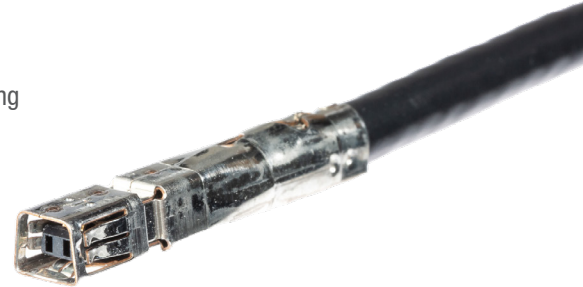
# BEAMnet

## Our USPs

- › Semi-automated production line with modular transfer technology and process monitoring
- › Compliance with the smallest processing tolerances
- › Handling of various cable variants (STP)
- › Globally standardized machinery and processes
- › Customer-specific solutions possible

## Your Advantages

- › High frequency range and high data rates
- › Less mating processes due to a modular package concept
- › Semi-automated assembly with process monitoring
- › Small but robust design
- › Save up to 30 % of installation space



## Requirements

Combination of high-performance data transmission up to 15 GHz and up to 25 Gbps and a small and robust design

## Applications

4K camera systems	Autonomous driving
4K high-resolution displays	Rear seat entertainment
Driver assistance systems	USB

## Technical Information

Electrical	
Return loss	≥ 25 dB, 1 MHz up to 1,5 GHz ≥ 20 dB, 1,5 GHz up to 4 GHz ≥ 15 dB, 4 GHz up to 7 GHz

Mechanical	
Engagement force	≤ 15 N (without housing)
Retention force latch	≥ 110 N
Mating cycles	≥ 10

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

Qualification according to	DIN EN 60068-2
----------------------------	----------------

Specification according to TE datasheet

## Protocols & Signals

LVDS	GVIF
FPD-Link	PCIe
GMSL	MIPI A-PHY
USB 3.2	

All data and figures are not binding. They are provided for information purposes only and do not claim to be up-to-date and exhaustive. Subject to modifications, errors excepted. Refer to protection notice ISO 16016. All rights reserved.



## Cable Assembler

with 50 years of experience



## Flexible Volume Supplier

more than 190 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



## Global MD Academy

for knowledge sharing from employees for employees



## Leading Global Specialist

for data transfer solutions in vehicles



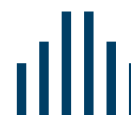
## Globally Accredited Test Laboratories

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



## Over 6000 Employees

worldwide with a global manufacturing & distribution network in North America, Europe and APAC



## Foundation-owned Company

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