

# Robust connector systems for rough conditions

## Perfectly Assembled Cables – Our USPs

- › Automated production line with transfer technology and process monitoring
- › Globally standardized machinery
- › Development of connector systems according to customer requirements
- › 100 % product identification and traceability



## Your Advantages

- › Development of customer-specific connectors with overmolded components
- › Handling of various cable diameters
- › Validation according to customer test standards with common environmental simulations and suitable testing technology in accredited MD test laboratory
- › Very high mechanical stress performance
- › Use in outdoor and dirty areas
- › High level of automation in order to ensure full traceability of production parameters

## Technical Information

### Electrical

Operating voltage DC                      up to 60 V  
(depending on diameter)

### Mechanical

Material                                        PA6 GF / PA66 GF  
Keying efficiency                            ≥ 80 N  
Engagement force                         ≤ 30 N (blade width < 1.2 mm)  
    ≤ 40 N (blade width < 2.8 mm)  
Retention force                              > 60 N

### Environmental

Temperature range                         -40 °C up to +125 °C  
Watertightness                              IPX9K  
Dynamic load (PG17)                      SOR (stress type)  
Qualification according to                LV 214 component  
    LV 124 assembly

## Requirements

Robust multicore cable assemblies developed for the use in outdoor and dirty areas, compliant with the highest watertightness class IPX9K.

## Applications

- Connection of
- › Rotational speed sensors
  - › Brake wear indicator
  - › Electronic parking brake
  - › Damper systems



# 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  
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employees worldwide



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