

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
solutions in vehicles



Approx. 6,000
employees worldwide



Accredited in-house
test laboratory

Do you have any questions or need a data transmission solution in vehicles?
Please contact us: product-info@md-elektronik.com

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