

## Rosenberger 4 Pin Data Cable Assemblies

New Rosenberger 4 pin data cable assemblies with EMC protected and waterproof data connectors in smallest dimensions can be used in various LEV's, e.g. in modern e-bikes or scooters. The contact system conforms to automotive standards.

### Connector Features

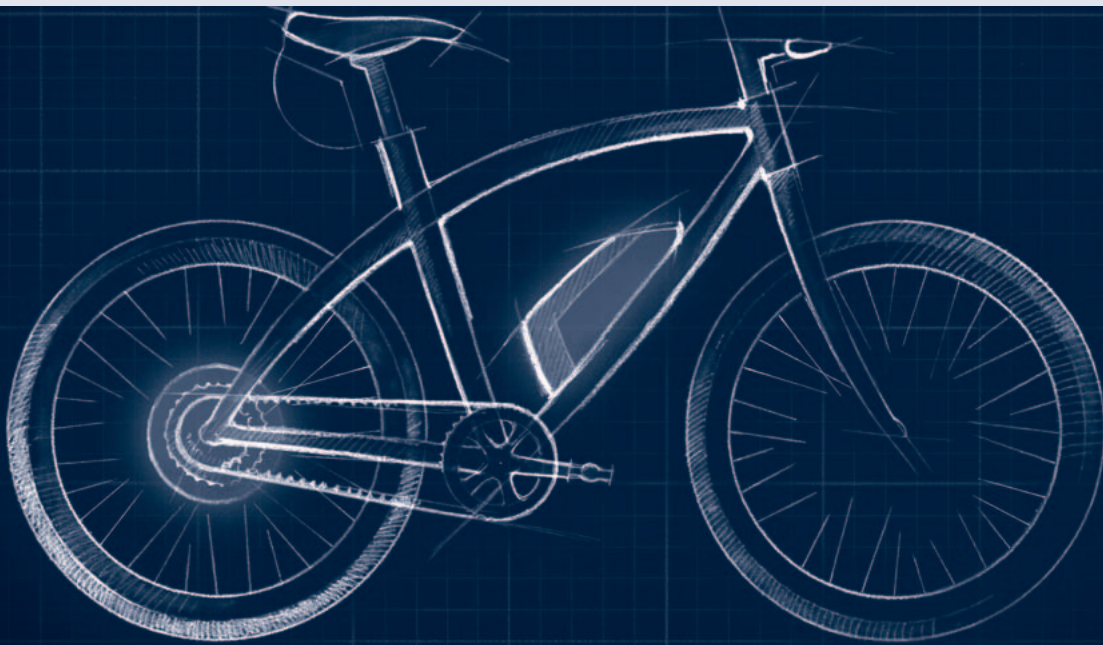
- 4 Pin Data Connectors (plug and jack)
- Inline connection designed for EMC
- Waterproof
- Cost effective
- Compact design – Very low space requirements max. Ø 7 mm
- Contact system tested according to automotive standards
- Innovative snap system

### Cable Features

- Symmetrically constructed twisted pair cable for an excellent EMC – 4 x 0.35 mm<sup>2</sup> wires
- Insulation TPE, Jacket TPU

### Applications

- Rosenberger 4 pin data cable assemblies are designed especially for LEV's, e.g. e-bikes



## Electrical characteristics

- Insulation resistance  $\geq 1 \times 10^3 \text{ M}\Omega$
- Contact resistance  $\leq 5 \text{ m}\Omega$
- Max. current  $\leq 2 \text{ A DC}$  per pin
- Working voltage  $12 \text{ V rms}$



LAL-001-xxx\*

## Mechanical characteristics

- Mating cycles  $\geq 25$
- Engagement force  $\leq 20 \text{ N}$
- Disengagement force  $\geq 30 \text{ N}$

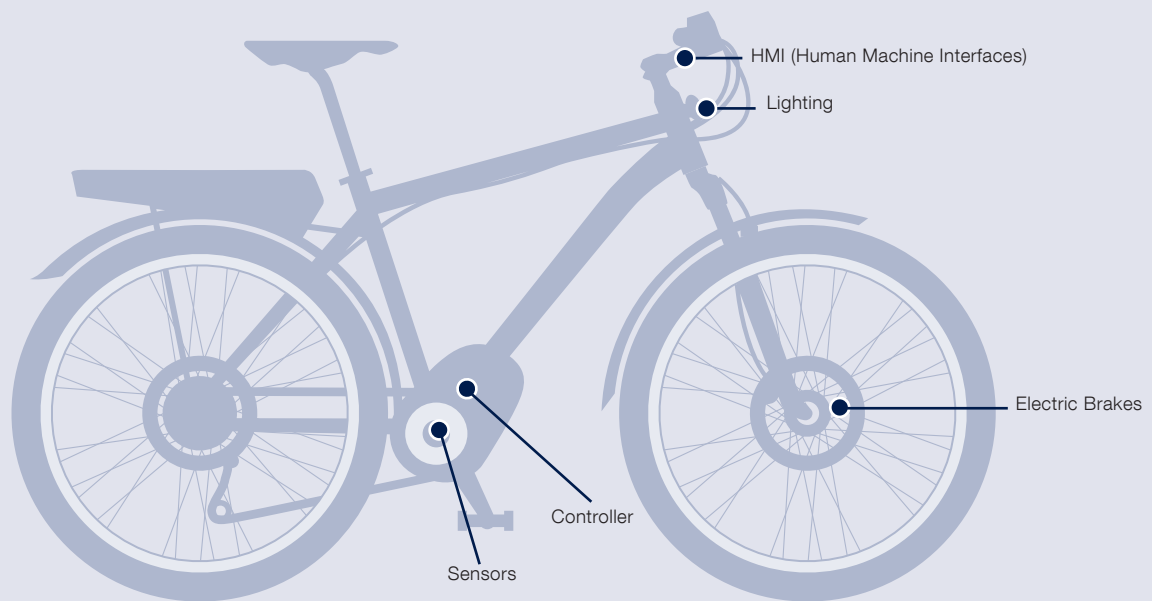
## Environmental data

- Temperature range  $-40 \text{ }^\circ\text{C}$  to  $+65 \text{ }^\circ\text{C}$
- Vibration resistance
- Shock resistance
- Dust and water resistance



LAL-002-xxx\*

## Rosenberger 4 Pin Data Connectors for LEV applications



\*xxx: please fill in requested length in mm

### Rosenberger

#### Hochfrequenztechnik GmbH & Co. KG

Hauptstraße 1 | 83413 Fridolfing

P.O. Box 1260 | 84526 Tittmoning

Germany

Phone +49 (0)8684 18-0

Fax +49 (0)8684 18-1499

info@rosenberger.de

www.rosenberger.com

Certified by ISO/TS 16949 · ISO 9001 · ISO 14001

Order No.

Info2754PinFly | pA 266590

1000/2014

Rosenberger® is a registered trademark by Rosenberger Hochfrequenztechnik GmbH & Co. KG.

All rights reserved.

© 2014 Rosenberger

