

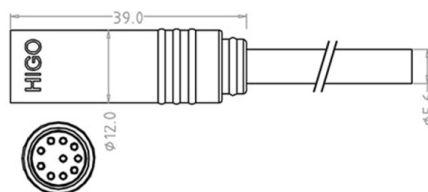
# Product data sheet

## Higo - Signal - Z1012A

### Main male cable connector

Z1012AG P 00 A7 1000

<https://www.higoconnector.com/en/e-bike-connector/z1012agp00a71000>



## Specifications

### General Characteristics

|                              |                                    |
|------------------------------|------------------------------------|
| <b>Number of contacts</b>    | 10                                 |
| <b>Gender</b>                | Male                               |
| <b>Color</b>                 | Black                              |
| <b>Upper temperature</b>     | 80 °C                              |
| <b>Lower temperature</b>     | -25 °C                             |
| <b>Locking</b>               | Push-on (no locking)               |
| <b>Protection degree</b>     | IP66                               |
| <b>Mating cycles (times)</b> | 200 Mating times                   |
| <b>Connector diameter</b>    | 12 mm                              |
| <b>Fitting length</b>        | 67 mm                              |
| <b>Cable Length</b>          | 1000 mm                            |
| <b>Cable diameter</b>        | 5.8 mm                             |
| <b>Wire section</b>          | 0.2 mm <sup>2</sup>                |
| <b>Remark</b>                | Other cable length/type on request |

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### Electrical Parameters

|  |                           |
|--|---------------------------|
| <b>Rated current</b>                   | 2 A                       |
| <b>Rated voltage</b>                   | 48 V AC / 60 V DC         |
| <b>Max. insulation resistance (M )</b> | $\geq 20 \text{ M}\Omega$ |
| <b>Max. contact resistance (M )</b>    | $\leq 10 \text{ M}\Omega$ |

### Material

|                            |                  |
|----------------------------|------------------|
| <b>Material jacket</b>     | PVC              |
| <b>Insulation wire</b>     | PVC              |
| <b>Material of contact</b> | Copper Alloy     |
| <b>Contact plating</b>     | Gold over Nickel |