

Data Sheet | Item Number: 891-8994/005-505

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. B; Control cable 4 x 1.0 mm²; 5 m; 1,00 mm²; light green

<https://www.wago.com/891-8994/005-505>



Color: ■ light green



Dimensions in mm

Cable assembly *WINSTA*® MINI rated current 10 A

For signal and power transmission: The *WINSTA*® MINI cable assembly with protection against mismatching. The pluggable installation connectors with spring pressure connection technology function entirely without screw connections. They allow fast, efficient, error-free installation in a large number of possible uses. For greater security in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. Solutions like the *WINSTA*® MINI pluggable installation connectors with B coding are appropriate for applications involving process control, for example, for lighting or within data networks. *WINSTA*® MINI follows the trend towards miniaturisation. Our smallest pluggable connection system is especially suitable for lights, for example, since due to LED technology, these offer much less space for the connection technology. Of course, the safety of buildings must always be ensured, even after the electrical installation has been performed. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a plug. The *WINSTA*® Pluggable Connection System is perfectly tailored to the strict requirements of building installation. It makes electrical installation pluggable, and thus more efficient, more reliable, and error-free. Using this pre-assembled system decreases time spent on assembly and errors during installation at the construction site. Now you can also lower installation expenses without compromising safety and quality: with marking eliminates the need for servicing and prevents unnecessary downtime.

- pluggable installation connectors with protection against mismatching
- compact design for conductors with a cross-section up to 1.5 mm²
- with B coding for controllers, for example sun blinds and lighting fixtures
- ready for immediate use
- rapid, structured electrical installation

Notes

Note

Cables with a different fire class can be found in the eShop.

Variants:

Other pole markings

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

Electrical data

| Ratings per | IEC/EN 60664-1 | | | General information | |
|---------------------------------|----------------|-----|----|----------------------------|--|
| Overvoltage category | III | III | II | Note on contact resistance | approx. 1 mΩ of contact resistance approx. 0.25 mΩ contact transition plug/ socket |
| Pollution degree | 3 | 2 | 2 | | |
| Nominal voltage | 400 V | - | - | | |
| Rated impulse withstand voltage | 6 kV | - | - | | |
| Rated current | 10 A | - | - | | |

Connection Data

| | | | |
|----------------------------|---|---------------------|-------------------|
| Total number of potentials | 4 | Connection 1 | |
| | | Pole number | 4 |
| | | Wire cross-section | 1 mm ² |
| | | Connection type | Socket - Plug |

Physical data

| | |
|--------------|------------------------|
| Pin spacing | 4.4 mm / 0.173 inches |
| Width | 23.2 mm / 0.913 inches |
| Height | 16 mm / 0.63 inches |
| Total length | 5 m |

Mechanical data

| | |
|---|---|
| Use | Control technology |
| Coding | B |
| Variable coding | No |
| Marking | 1 2 3 4 |
| Potential marking | 1 2 3 4 |
| Mating force of a plug-in connection | approx. 20 ... 70 N (depending on pole number) |
| Retention force of a plug-in connection | when locked: > 80N |
| Unmating force of a plug-in connection | when unlocked: approx. 20 ... 70 N (depending on pole number) |
| Number of mating cycles | 200, without resistive load |
| Connection type | Socket - Plug |
| Type of pre-assembled cable | Interconnecting cable |
| Cable type | Control line 4x1 |
| Protection type | IP20; IP40 when mated |

Plug-in connection

| | |
|-------------------------------|--|
| Mismating protection | Yes |
| Note on mismating protection | All <i>WINSTA</i> ® components are 100% protected against mismating when: a.) plugging different numbers of poles b.) plugging while rotated 180 c.) plugging while laterally staggered d.) plugging one pole |
| Locking lever | Can be retrofitted |
| Locking of plug-in connection | Locking lever |
| Note on locking system | All connectors for mounted installations (snap-in versions for lighting fixtures or devices, all types of PCB and distribution connectors) are factory-equipped with locking levers to ensure plugs and sockets are securely locked. Additional locking levers are only required for flying leads (plug/socket). |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | light green |
| Insulation material (main housing) | Polyamide (PA66) |
| Fire class per EN 50575 | E _{ca} |
| Contact material | Copper or copper alloy; surface-treated |
| Contact Plating | Tin |
| Fire load | 0.556 MJ |
| Connector color | light green |
| Strain relief color | black |
| Sheathed cable color | gray |
| Printing color of sheathed cable | black |
| Halogen-free | No |
| Silicon-free | Yes |
| Sheath material | PVC |
| Rubber cable | No |
| Weight | 418.6 g |
| Copper weight of the raw cable | 0.0384 kg/m |

Environmental requirements

| | |
|--|---|
| Processing temperature | -5 ... +40 °C |
| Continuous operating temperature | -35 ... +85 °C |
| Note on continuous operating temperature | Cable for temperatures ≤ 70 °C (including halogen-free) Insulating parts for temperatures ≤ 105 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 pcs |
| Packaging type | unpacked |
| Country of origin | PL |
| GTIN | 4050821654902 |
| Customs tariff number | 85444290900 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 26121629 |
| eCl@ss 10.0 | 27-44-06-04 |
| eCl@ss 9.0 | 27-44-06-04 |
| ETIM 9.0 | EC002587 |
| ETIM 10.0 | EC002587 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

| | |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
891-8994/005-505



Documentation

Bid Text

| | | | |
|------------------|------------|-----------------|--|
| 891-8994/005-505 | 19.02.2019 | xml 2.93 KB | |
| 891-8994/005-505 | 02.06.2015 | doc 25.00 KB | |

CAD/CAE-Data

CAE data

EPLAN Data Portal
891-8994/005-505



WSCAD Universe
891-8994/005-505



1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system



Item No.: 890-111

Locking lever; for flying leads; for tool operation; black

Item No.: 890-131

Locking lever; for flying leads; for tool operation; white

Item No.: 890-101

Locking lever; for manual operation; black

Item No.: 890-121

Locking lever; for manual operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 897-2003

Protective cap; Type2; for sockets and plugs; PVC; red

1.2.2 Installation

1.2.2.1 Mounting accessories



Item No.: 890-310

Mounting carrier; 2- to 5-pole; for flying leads; black



Item No.: 890-311

Mounting carrier; 2- to 5-pole; for flying leads; white