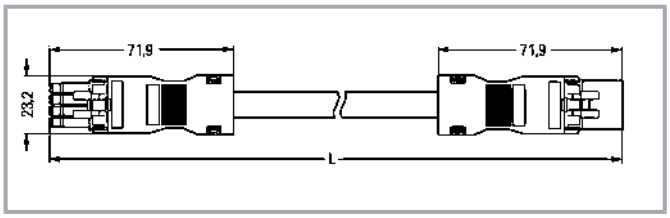
# Data sheet | Item number: 891-8994/006-702

pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 7 m; 1,50 mm²; white

www.wago.com/891-8994_006-702




## Item description

### Cable assembly *WINSTA*® MINI A coding

The *WINSTA*® MINI cable assembly 4-pole supports rapid, correct installation. The pluggable installation connectors with spring pressure connection technology work completely without screw connections. They allow resource-efficient, error-free installation in a large number of applications. The color coding and mechanical coding of the pluggable installation connector ensure error-free installation of the individual components – including protection against mismating. Standard mains applications for almost any domain of use can be realised with *WINSTA*® MINI pluggable installation connectors with A coding. Due to its particularly compact dimensions, our *WINSTA*® MINI Pluggable Connection System with Push-in CAGE CLAMP® spring pressure connection technology is specifically suitable in very restricted spaces, i.e., for installations when very little room is available. Building safety must be ensured at all times, even after the electrical installation stage. The mandatory safety requirements in connection with EU CPR are met by this product through fire class E.

### Fast, error-free assembly thanks to cable assemblies from WAGO

A socket and a plug are available. The WINSTA® Pluggable Connection System allows pluggable electrical installation. This saves time, lowers costs, and reduces the need for servicing. Choose quality and durability – the *WINSTA*® MINI pluggable installation connector with strain relief hosting from WAGO makes the electrical installation of electrical components noticeably easier.

- protection against mismating eliminates errors
- easy tool-free operation, a wide range of coding options
- with A coding for use in many general mains applications
- ready for immediate use
- fast, secure installation

Subject to changes. Please also observe the further product documentation!

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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## Data
### Notes

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

### Electrical data

| | |
|---|---|
| Note on contact resistance | approx. 1 mΩ of contact resistance<br>approx. 0.25 mΩ contact transition plug/socket |

### IEC Approvals

| | |
|---|---|
| Ratings per | IEC/EN 60664-1 |
| Rated voltage (III / 3) | 400 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 16 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### Ratings per UL

| | |
|---|---|
| Note for the US market | Some versions may also be used for current interruption in accordance with the UL certificate in select applications with currents below 5 A and voltages up to 600 V. For further information, please contact your local sales office. |

### Connection data

| | |
|---|---|
| Total number of potentials | 4 |
| PE function | Preceding PE contact |
| Conductor preparation | ultrasonically tip-bonded |

### Connection 1

| | |
|---|---|
| Number of poles | 4 |
| Sheathed cable diameter | 8.4 … 10.5 mm |
| Wire cross-section | 1.5 mm² |
| Connection type | Socket - Plug |

### Physical data

| | |
|---|---|
| Pin spacing | 4.4 mm / 0.173 inch |

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| | |
|---|---|
| Total length | 7 m |

## Mechanical data

| | |
|---|---|
| Application | General mains applications |
| Coding | A |
| Variable coding | No |
| Marking | N ⏚ 2/L 1/L' |
| Potential Marking | N ⏚ 2/L 1/L' |
| 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 | H05VV-F 4G1.5 |
| Protection type | IP20; IP40 when mated |

## Plug-in connection

| | |
|---|---|
| Mismating protection | Yes |
| Note on mismating protection | All WINSTA® components are 100% protected against mismating when:<br>a.) plugging different numbers of poles<br>b.) plugging while rotated 180<br>c.) plugging while laterally staggered<br>d.) plugging one pole |
| Locking lever | Can be retrofitted |
| Locking of plug-in connection | locking lever |

## Material data

| | |
|---|---|
| Note (material data) | Information on material data can be found here |
| Color | white |
| Insulation material | Polyamide (PA66) |
| Fire class per EN 50575 | $E_{ca}$ |
| Contact material | Copper or copper alloy; surface-treated |
| Fire load | 209.438 MJ |
| Connector color | white |
| Printing color of mating face | black |

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| | |
|---|---|
| Strain relief color | white |
| Sheathed cable color | white |
| Printing color of sheathed cable | black |
| Halogen-free | No |
| Sheath material | PVC |
| Weight | 929.7 g |
| Copper weight of the pipe | 0.058 kg/m |

## Environmental requirements

| | |
|---|---|
| Processing temperature | -5 … +40 °C |
| Continuous operating temperature | -35 … +85 °C |
| Note on continuous operating temperature | PVC cable for temperatures ≤ 70 °C (including halogen-free)<br>Insulating parts for temperatures ≤ 105 °C |

## Commercial data

| | |
|---|---|
| PU (SPU) | 1 Stück |
| Packaging type | unpacked |
| Country of origin VKOrg Germany | PL |
| GTIN | 4055143404242 |
| Customs tariff number VKOrg Germany | 85444290900 |

## Approvals / Certificates

### Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|---|---|
| | **CCA**<br>DEKRA Certification B.V. | EN 61535 | NTR NL-7823 |
| | **KEMA/KEUR**<br>DEKRA Certification B.V. | EN 61535 | 71-112995 |

## Required accessories

### Locking levers

| |
|---|
| Locking system |

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| | |
|---|---|
| **Item no.: 890-111**<br>Locking lever; for flying leads; for tool operation; black | www.wago.com/890-111 |
| **Item no.: 890-101**<br>Locking lever; for manual operation; black | www.wago.com/890-101 |
| **Item no.: 890-121**<br>Locking lever; for manual operation; white | www.wago.com/890-121 |
| **Item no.: 890-131**<br>Locking lever; for flying leads; for tool operation; white | www.wago.com/890-131 |

## Optional accessories

**Cover**

Other

| | |
|---|---|
| **Item no.: 897-2003**<br>Protective cap; Type2; for sockets and plugs; PVC; red | www.wago.com/897-2003 |

**Mounting**

Mounting accessories

| | |
|---|---|
| **Item no.: 890-310**<br>Mounting carrier; 2- to 5-pole; for flying leads; black | www.wago.com/890-310 |
| **Item no.: 890-311**<br>Mounting carrier; 2- to 5-pole; for flying leads; white | www.wago.com/890-311 |

## Downloads

### Documentation

**Bid Text**

| | | | |
|---|---|---|---|
| 891-8994/006-702<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB | Download |
| 891-8994/006-702<br>doc - Datei | 2014 Dec 1 | doc<br>25.1 kB | Download |

## CAD files

**CAE data**

| | | |
|---|---|---|
| WSCAD Universe 891-8994/006-702 | URL | Download |
| WSCAD Universe 891-8994/006-702 | URL | Download |

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## Environmental Product Compliance

### Compliance Search

| | | |
|---|---|---|
| Environmental Product Compliance 891-8994/006-702<br>pre-assembled interconnecting cable; Eca; Socket/plug; 4-pole; Cod. A; H05VV-F 4G 1.5 mm²; 7 m; 1,50 mm²; white | URL | Download |

## Installation Notes

## Product family

**WINSTA® MINI**
Show all products from the family



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