

Data Sheet | Item Number: 771-9993/006-307

pre-assembled interconnecting cable; Eca; Socket/plug; 3-pole; Cod. B; (H)05VV-F
3x1,5 mm²; 3 m; 1,50 mm²; pink

<https://www.wago.com/771-9993/006-307>



Color: ■ pink



Dimensions in mm

Cable assembly WINSTA® MIDI rated current 16 A

The WINSTA® MIDI cable assembly rated current 16 A is the pluggable solution for your application in control cabinets, for lighting connections or on PCBs. Whether on PCBs, in control cabinets or for connecting lights – pluggable installation connectors from WAGO allow you to establish connections according to various requirements in no time flat. For greater protection in electrical installations, the pluggable installation connector is equipped with mechanical protection against mismatching. The pluggable installation connector is protected in accordance with protection type IP20 (When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)). This means that users' fingers will never come into contact with energised elements. Pluggable installation connectors with B coding from the WINSTA® MIDI line are available in pink, light green, or gray, allowing you to distinguish different circuits, for example for light, pumps or sun blinds. Your own pole marking is possible as well. The WINSTA® MIDI product line achieves maximum flexibility for the installation of applications. With its Push-in CAGE CLAMP® spring pressure connection technology, it guarantees error-free, time-saving installation and offers customization for meeting an enormous variety of installation requirements. According to the European CPR, the fire class of the cables used in construction is decisive for the safety of buildings, too. For houses with medium-level safety requirements, cable assemblies with fire class E are suitable.

Fast, secure pluggable connections – cable assemblies from WAGO

The cable assembly is equipped with a socket and a plug. WINSTA® is the pluggable connection system that is ideally tailored to the strict requirements of electrical installation. It ensures error-free installation of cables and components, quickly and reliably. Take advantage of the pluggable version of our maintenance-free spring pressure connection technology too! Plan your installation with with marking from WAGO.

- pluggable installation connectors with protection against mismatching
- for automation controllers
- with B coding for controllers such as lighting fixtures and sun blinds
- exact dimensions
- convenient installation and commissioning

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	250 V	-	-		
Rated impulse withstand voltage	4 kV	-	-		
Rated current	16 A	-	-		

Connection Data

Total number of potentials	3	Connection 1	
		Pole number	3
		Wire cross-section	1.5 mm ²
		Connection type	Socket - Plug

Physical data

Pin spacing	10 mm / 0.394 inches
Width	27 mm / 1.063 inches
Total length	3 m

Mechanical data

Use	Control technology
Coding	B
Variable coding	Yes
Marking	1 2 3
Potential marking	1 2 3
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 3x1.5
Protection type	IP20; When mated: IP2xC (These compact connectors are not designed for use in open, easily accessible areas!)

Plug-in connection

Mismating protection	Yes
Note on mismating protection	All WINSTA® 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	pink
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	0.618 MJ
Connector color	pink
Strain relief color	black
Printing color of strain relief	white
Sheathed cable color	gray
Printing color of sheathed cable	black
Halogen-free	No
Silicon-free	Yes
Sheath material	PVC
Rubber cable	No
Weight	316.6 g
Copper weight of the raw cable	0.043 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	DE
GTIN	4055143458610
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 771-9993/006-307	
--	--

Documentation

Bid Text

771-9993/006-307	19.02.2019	xml 2.93 KB	
771-9993/006-307	02.06.2015	doc 24.50 KB	

CAD/CAE-Data

CAE data

EPLAN Data Portal 771-9993/006-307	
---------------------------------------	--

1 Compatible Products

1.1 Required Accessories

1.1.1 Locking system

1.1.1.1 Locking system

Item No.: 770-101 Locking lever; for flying leads; for manual operation; black	Item No.: 770-121 Locking lever; for flying leads; for manual operation; white	Item No.: 770-111 Locking lever; for flying leads; for tool operation; black	Item No.: 770-131 Locking lever; for flying leads; for tool operation; white

1.2 Optional Accessories

1.2.1 Cover

1.2.1.1 Cover



Item No.: 770-201

Lockout cap; 12-pole, separable; for sockets; Plastic; black



Item No.: 770-221

Lockout cap; 12-pole, separable; for sockets; Plastic; white



Item No.: 770-360

Lockout cap; for plugs; 5-pole; separable; yellow



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.: 770-310

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

1.2.3 Marking

1.2.3.1 Marker



Item No.: 770-450/000-006

Marker card; Plastic; blue



Item No.: 770-450/000-001

Marker card; Plastic; green



Item No.: 770-450/000-012

Marker card; Plastic; orange



Item No.: 770-450/000-005

Marker card; Plastic; red



Item No.: 770-450

Marker card; Plastic; white



Item No.: 770-450/000-002

Marker card; Plastic; yellow

1.2.3.2 Marking strip



Item No.: 210-334

Marking strips; as a DIN A4 sheet; Strip width 5 mm; Strip length 182 mm; plain; Self-adhesive; white