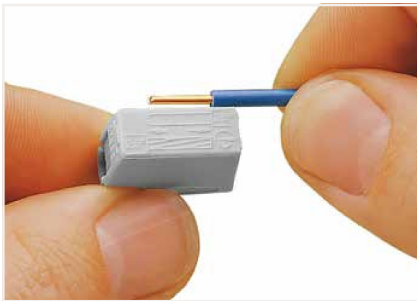


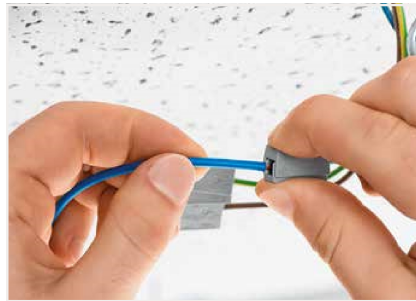
Lighting Connectors and Service Connectors

Description and Installation

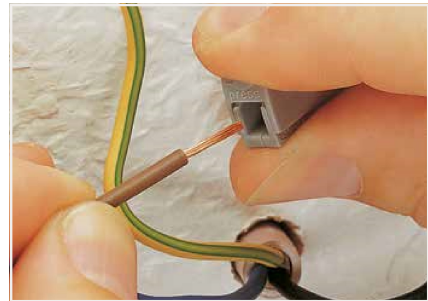
224 Series



Strip conductor to 9 ... 11 mm (0.35 ... 0.43 inch).



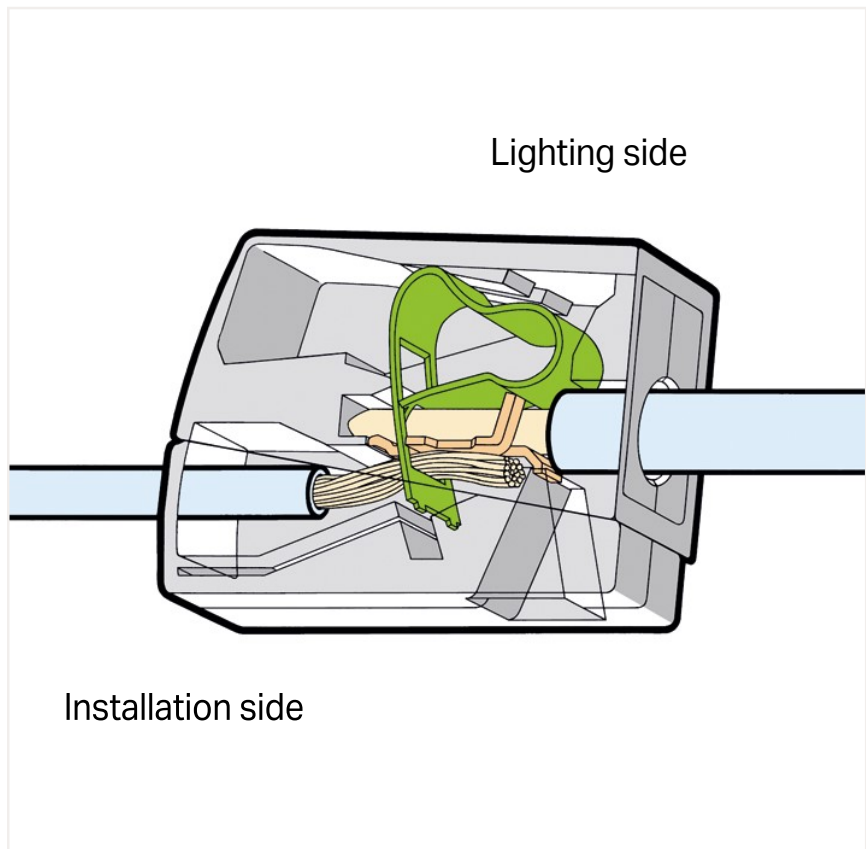
To connect: Press button fully, insert stripped conductor into square entry and release.



To remove: Press button and withdraw conductor.

Lighting side

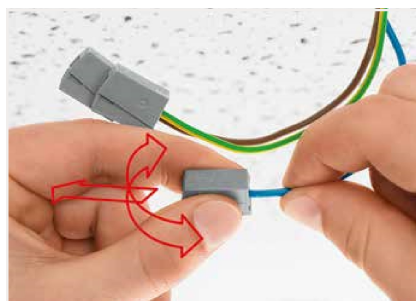
CAGE CLAMP® terminates the following copper conductors:



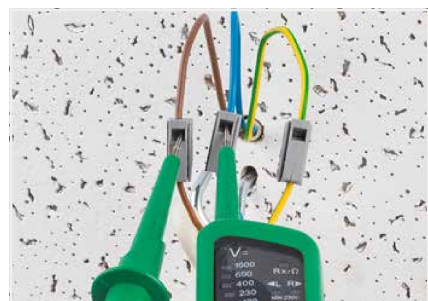
8



To connect: Insert stripped solid conductor into circular entry and push until it hits the backstop.



To remove: Hold conductor to be removed and twist alternately left and right while slightly pulling the connector.



Testing via separate test ports.



Installation side

PUSH WIRE® terminates the following copper conductors:
solid

Lighting Connector; Service Connector 224 Series

| Technical Data | |
|--------------------------------------|-----------------|
| Installation side | 14 ... 12 AWG |
| 1 ... 2.5 mm ² "s" | |
| Lighting side | 20 ... 16 AWG |
| 0.5 ... 2.5 mm ² "s+f-st" | |
| 400 V / 4 kV / 2 I _N 24 A | 300 V / 20 A ⓈⓈ |
| 9 ... 11 mm / 0.35 ... 0.39 inch | |



Lighting connector; standard version; approved continuous operating temperature: 105°C; ambient temperature (max.): 60°C

| Color | Item No. | Pack. Unit |
|--------|----------|---------------|
| ○ gray | 224-101 | 1000 (10x100) |

Lighting connector; version for increased continuous operating temperature of 120°C; ambient temperature (max.): 75°C

| Color | Item No. | Pack. Unit |
|---------|----------|---------------|
| ● black | 224-104 | 1000 (10x100) |

224 Series Accessories



Syringe; contains 20 ml "Alu-Plus" contact paste

| Item No. | Pack. Unit |
|----------|------------|
| 249-130 | 20 |

| Technical Data | |
|--------------------------------------|-----------------|
| Installation side | 14 ... 12 AWG |
| 2 x 1 ... 2.5 mm ² "s" | |
| Lighting side | 20 ... 16 AWG |
| 0.5 ... 2.5 mm ² "s+f-st" | |
| 400 V / 4 kV / 2 I _N 24 A | 300 V / 20 A ⓈⓈ |
| 9 ... 11 mm / 0.35 ... 0.39 inch | |



2-conductor lighting connector; for looping through on the installation side; approved continuous operating temperature: 105°C; ambient temperature (max.): 60°C

| Color | Item No. | Pack. Unit |
|---------|----------|---------------|
| ○ white | 224-112 | 1000 (10x100) |

2-conductor lighting connector; for looping through on the installation side; version for increased continuous operating temperature of 120°C; ambient temperature (max.): 75°C

| Color | Item No. | Pack. Unit |
|---------|----------|---------------|
| ● black | 224-114 | 1000 (10x100) |

| Technical Data | |
|--------------------------------------|---------------|
| 0.5 ... 2.5 mm ² "s+f-st" | 20 ... 16 AWG |
| 400 V / 4 kV / 2 I _N 24 A | |
| 300 V / 20 A Ⓢ | |
| 9 ... 11 mm / 0.35 ... 0.39 inch | |



Service connector; approved continuous operating temperature: 105°C

| Color | Item No. | Pack. Unit |
|--------|----------|------------|
| ○ gray | 224-201 | 50 |

WAGO's lighting connectors ideally connect solid conductors with fine-stranded conductors. Tested and approved as isolated splicing connectors per EN 60998, WAGO's 224 Series Lighting Connectors can also be used in applications requiring a connection between solid and fine-stranded conductors. For example, 224 Series connects:

- Blinds, sliding shutters or awning motors
- Window or bathroom fans
- Circulation pumps
- Furnace control systems
- Electrical devices via permanent flexible cables

1 In grounded power lines
400 V = rated voltage
4 kV = rated surge voltage
2/3 = pollution degree

