

Data Sheet | Item Number: 706-2500/306-1000

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 10 m;
 Conductor cross-section: 0.14 mm²



<https://www.wago.com/706-2500/306-1000>



Similar to illustration



Similar to illustration



Similar to illustration

| Color coding and cable ID | 20 pin/16 pin connector | 32 pin/16 pin connector | PC connector |
|------------------------------|----------------------------|----------------------------|--------------|
| Pin | Wire | Pin | Signal |
| White | 1 | DOF 01 | 1 |
| Brown | 2 | DOF 01 | 2 |
| Green | 3 | DOF 02 | 3 |
| Yellow | 4 | DOF 02 | 4 |
| Blue | 5 | DOF 02 | 5 |
| Pink | 6 | DOF 02 | 6 |
| Black | 7 | DOF 02 | 7 |
| Red | 8 | DOF 02 | 8 |
| Black | 9 | DOF 02 | 9 |
| Black | 10 | DOF 02 | 10 |
| Grey-Black | 11 | DOF 02 | 11 |
| Black | 12 | DOF 02 | 12 |
| White-Green | 13 | DOF 02 | 13 |
| Green-Black | 14 | DOF 02 | 14 |
| White-Black | 15 | DOF 02 | 15 |
| Yellow-Black | 16 | DOF 02 | 16 |
| White-Red | 17 | DOF 02 | 17 |
| Black-Black | 18 | DOF 02 | 18 |
| Black-Black | 19 | DOF 02 | 19 |
| Black-Black | 20 | DOF 02 | 20 |
| Black-Black | 21 | DOF 02 | 21 |
| Black-Black | 22 | DOF 02 | 22 |
| Black-Black | 23 | DOF 02 | 23 |
| Black-Black | 24 | DOF 02 | 24 |
| Black-Black | 25 | DOF 02 | 25 |
| Black-Black | 26 | DOF 02 | 26 |
| Black-Black | 27 | DOF 02 | 27 |
| Black-Black | 28 | DOF 02 | 28 |
| Black-Black | 29 | DOF 02 | 29 |
| Black-Black | 30 | DOF 02 | 30 |
| Black-Black | 31 | DOF 02 | 31 |
| Black-Black | 32 | DOF 02 | 32 |

Notes

Note When using more than 10 wires, the maximum current per wire must be reduced to 0.7 A.

| Electrical data | |
|-------------------------|----------------------------------|
| Inputs/outputs | 2 x 16 digital inputs or outputs |
| Operating voltage | ≤ 35 VAC/VDC |
| Current per wire (max.) | 1 A |

Connection Data

| | |
|------------|-------------------|
| Cable type | LiYY |
| Color code | per DIN VDE 47100 |

Connection 1

| | |
|---------------------|---|
| Pluggable connector | Pluggable connector per DIN 41651; female connector |
| Pole number 1 | 20 |
| Connection type | System |
| Wire cross-section | 0.14 mm ² |

Connection 2

| | |
|--------------------|---|
| Connector | Pluggable connector per DIN 41651; female connector |
| Pole number | 20 |
| Connection type | System |
| Wire cross-section | 0.14 mm ² |

Connection 3

| | |
|-----------------|---|
| Connector | Pluggable connector per DIN 41651; female connector |
| Pole number | 40 |
| Connection type | System |

Physical data

| | |
|--------------|------|
| Cable length | 10 m |
|--------------|------|

Material data

| | |
|-----------|--------|
| Fire load | 0 MJ |
| Weight | 1473 g |

Environmental requirements

| | |
|---------------------------------|----------------|
| Ambient temperature (operation) | -20 ... +50 °C |
|---------------------------------|----------------|

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 1 pcs |
| Packaging type | Bag |
| GTIN | 4066966422108 |
| Customs tariff number | 85444290900 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 26121629 |
| ETIM 9.0 | EC000237 |
| ETIM 10.0 | EC000237 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Downloads

Documentation

System Description

| | | |
|--|------------------|---|
| WAGO System Wiring, Selection Guide | pdf 533.15 KB |  |
|--|------------------|---|