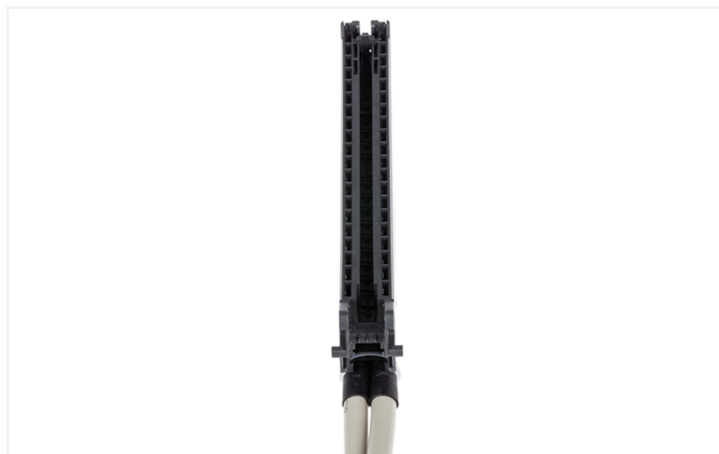


**Data Sheet | Item Number: 706-2500/303-300**  
 System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs (compact);  
 Length: 3 m; Conductor cross-section: 0.14 mm<sup>2</sup>

<https://www.wago.com/706-2500/303-300>



Similar to illustration



Color coding	20-wire for connector	PG	
Color coding	PG	Signal	
White	1	0.01	1
Brown	2	0.1	2
Green	3	0.2	3
Yellow	4	0.3	4
Blue	5	0.4	5
Pink	6	0.5	6
Black	7	0.6	7
Red	8	0.7	8
Dark Blue	9	1.0	11
Light Blue	10	1.1	12
Dark Grey	11	1.2	13
Light Grey	12	1.3	14
White-Green	13	1.4	15
Green-White	14	1.5	16
White-Black	15	1.6	17
Black-White	16	1.7	18
White-Blue	17	1.8	19
Blue-White	18	1.9	20
White-Red	19	2.0	21
Red-White	20	2.1	22

**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

## Compatibility

### Siemens

Siemens S7-1500	6ES7 521-1BL10-0AA0 6ES7 522-1BL10-0AA0 6ES7 523-1BL00-0AA0
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## 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 <sup>2</sup>

### Connection 2

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

### Connection 3

Connector	Siemens 6ES7-592-1BM00-0XB0
Pole number	40
Connection type	System
Wire cross-section	0.14 mm <sup>2</sup>

## Physical data

Cable length	3 m
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## Material data

Fire load	0 MJ
Weight	56 g

## Environmental requirements

Ambient temperature (operation)	-20 ... +50 °C
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## Commercial data

PU (SPU)	1 pcs
Packaging type	Bag
Country of origin	FR
GTIN	4055143456388
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

#### Environmental Product Compliance

##### Compliance Search

Environmental Product  
Compliance  
706-2500/303-300



### Documentation

#### System Description

WAGO System Wiring,  
Selection Guide

pdf  
533.15 KB

