

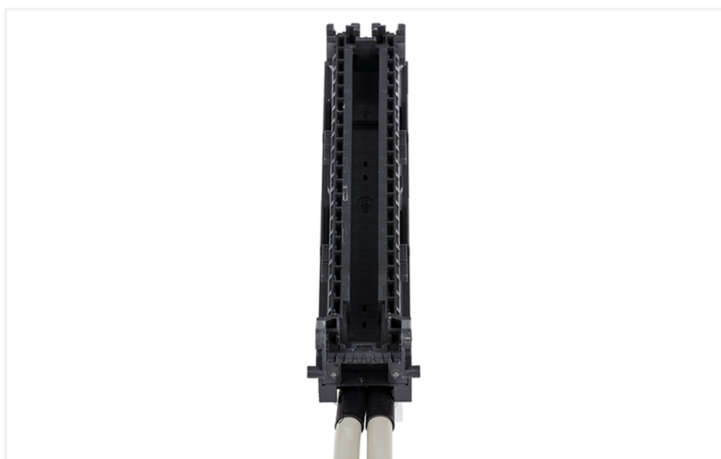
# Data Sheet | Item Number: 706-2500/301-300

System cable; for Siemens S7-1500; 2 x 16 digital inputs or outputs; Length: 3 m;  
 Conductor cross-section: 0.14 mm<sup>2</sup>

<https://www.wago.com/706-2500/301-300>



Similar to illustration



Color coding	20 pin connector	20 pin connector	Pin	Wire	Pin	Signal
White	1	0.0	1	0		
Brown	2	0.1	2	1		
Green	3	0.2	3	2		
Yellow	4	0.3	4	3		
Blue	5	0.4	5	4		
Pink	6	0.5	6	5		
Black	7	0.6	7	6		
Red	8	0.7	8	7		
Black	9	1.0	11	8		
Black	10	1.1	12	9		
Clear-Pink	11	1.2	13	10		
Red-Blue	12	1.3	14	11		
White-Green	13	1.4	15	12		
Green-Green	14	1.5	16	13		
White-White	15	1.6	17	14		
Natural-Brown	16	1.7	18	15		
Natural-Grey	17	1.8	19	16		
Clear-Brown	18	0.9	20	17		
White-Blue	19	1.9	20	18		
Black-Brown	20	0.0	0	19		

Color coding	20 pin connector	20 pin connector	Pin	Wire	Pin	Signal
White	1	0.0	21	0		
Brown	2	0.1	22	1		
Green	3	0.2	23	2		
Yellow	4	0.3	24	3		
Blue	5	0.4	25	4		
Pink	6	0.5	26	5		
Black	7	0.6	27	6		
Red	8	0.7	28	7		
Black	9	1.0	31	8		
Black	10	1.1	32	9		
Clear-Pink	11	1.2	33	10		
Red-Blue	12	1.3	34	11		
White-Green	13	1.4	35	12		
Green-Green	14	1.5	36	13		
White-White	15	1.6	37	14		
Natural-Brown	16	1.7	38	15		
Natural-Grey	17	1.8	39	16		
Clear-Brown	18	0.9	40	17		
White-Blue	19	1.9	41	18		
Black-Brown	20	0.0	41	19		

**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 521-1BL00-0AB0 6ES7 522-1BL00-0AB0 6ES7 522-1BL01-0AB0
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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	Siemens 6ES7-592-1BM00-0XB0
Pole number	20
Connection type	System
Wire cross-section	0.14 mm <sup>2</sup>

### Connection 3

Pole number	40
Connection type	System

## Physical data

Cable length	3 m
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## Material data

Fire load	0 MJ
Weight	562 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	4055143556415
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  
706-2500/301-300



### Documentation

#### System Description

WAGO System Wiring,  
Selection Guide

pdf  
533.15 KB

