

# Data Sheet | Item Number: 706-2500/304-100

System cable; for Siemens S7-1500; 16 digital inputs or outputs (compact); Length: 1 m; Conductor cross-section: 0.14 mm<sup>2</sup>

<https://www.wago.com/706-2500/304-100>



Color coding acc. to DIN VDE 47100	20 poles flat connector		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	0.0	1	IN0
Brown	2	0.1	2	IN1
Green	3	0.2	3	IN2
Yellow	4	0.3	4	IN3
Grey	5	0.4	5	IN4
Pink	6	0.5	6	IN5
Blue	7	0.6	7	IN6
Red	8	0.7	8	IN7
Black	9	1.0	11	IN8
Violet	10	1.1	12	IN9
Grey-Pink	11	1.2	13	IN10
Red-Blue	12	1.3	14	IN11
White-Green	13	1.4	15	IN12
Brown-Green	14	1.5	16	IN13
White-Yellow	15	1.6	17	IN14
Yellow-Brown	16	1.7	18	IN15
White-Grey	17	+24V	9	1L+
Grey-Brown	18	0V	10	1M
White-Pink	19	+24V	19	2L+
Pink-Brown	20	0V	20	1M

**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 521-1BH10-0AA0 6ES7 522-1BH10-0AA0
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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	Siemens 6ES7-592-1BM00-0XB0
Pole number	40
Connection type	System
Wire cross-section	0.14 mm <sup>2</sup>

### Physical data

Cable length	1 m
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### Material data

Fire load	0 MJ
Weight	17 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	4055143456395
Customs tariff number	85444290900

### Product Classification

UNSPSC	26121604
ETIM 9.0	EC000237
ETIM 10.0	EC000237
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance  
706-2500/304-100



## Documentation

### System Description

WAGO System Wiring,  
Selection Guide

pdf  
533.15 KB

