

# Data Sheet | Item Number: 706-2500/103-300

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

<https://www.wago.com/706-2500/103-300>



Color coding acc. to DIN VDE 47100	Connector HE10		PLC connector	
	Pin number	Wiring	Pin number	Signal
White	1	0.0	2	DI0
Brown	2	0.1	4	DI1
Green	3	0.2	6	DI2
Yellow	4	0.3	8	DI3
Grey	5	0.4	12	DI4
Pink	6	0.5	14	DI5
Blue	7	0.6	16	DI6
Red	8	0.7	18	DI7
Black	9	1.0	22	DI8
Violet	10	1.1	24	DI1
Grey-Pink	11	1.2	26	DI2
Red-Blue	12	1.3	28	DI3
White-Green	13	1.4	32	DI4
Brown-Green	14	1.5	34	DI5
White-Yellow	15	1.6	36	DI6
Yellow-Brown	16	1.7	38	DI7
White-Grey	17	+24V	19	L+
Grey-Brown	18	0V	20	1M
White-Pink	19	nc	nc	nc
Pink-Brown	20	nc	nc	nc

Similar to illustration

## Notes

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

## Electrical data

Inputs/outputs	16 digital inputs
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	1 A

## Compatibility

### Siemens

Siemens S7-1500	6ES7 526-1BH00-0AB0
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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 526-1BH00-0AB0
Pole number	40
Connection type	System
Wire cross-section	0.14 mm <sup>2</sup>

Physical data	
Cable length	3 m

Material data	
Fire load	0 MJ
Weight	329 g

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

Commercial data	
PU (SPU)	1 pcs
Packaging type	Bag
GTIN	4055143594264
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

## Downloads

### Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 706-2500/103-300	<a href="#">↓</a>

Documentation

System Description

WAGO System Wiring, Selection Guide	pdf 533.15 KB	
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