

# Data Sheet | Item Number: 706-2500/306-300

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/706-2500/306-300>



Similar to illustration



Similar to illustration



Similar to illustration

Color coding	Pin	Wiring	Pin	Wiring	Pin	Signal
<b>Color coding for 30 pin/16-pin connector</b>						
White	1	DOF 01	1	0		
Brown	2	DOF 02	2	1	1	1
Green	3	DOF 03	3	2		
Yellow	4	DOF 04	4	3		
Blue	5	DOF 05	5	4		
Pink	6	DOF 06	6	5	1	1
Black	7	DOF 07	7	6		
Red	8	DOF 08	8	7		
Black	9	DOF 09	9	8		
White	10	DOF 10	10	9		
Grey-Black	11	DOF 11	11	10		
Black	12	DOF 12	12	11		
White-Green	13	DOF 13	13	12		
Brown-Black	14	DOF 14	14	13		
White-White	15	DOF 15	15	14		
Yellow-Brown	16	DOF 16	16	15		
White-Grey	17	DOF 17	17	16	1	1
Grey-Black	18	DOF 18	18	17		
White-Black	19	DOF 19	19	18		
Black-Brown	20	DOF 20	20	19		
Black-Black	21	DOF 21	21	20		
<b>Color coding for 30 pin/16-pin connector</b>						
White	1	DOF 01	1	18		
Brown	2	DOF 02	2	17		
Green	3	DOF 03	3	16		
Yellow	4	DOF 04	4	15		
Blue	5	DOF 05	5	14		
Pink	6	DOF 06	6	13		
Black	7	DOF 07	7	12		
Red	8	DOF 08	8	11		
Black	9	DOF 09	9	10		
White	10	DOF 10	10	9		
Grey-Black	11	DOF 11	11	8		
Black	12	DOF 12	12	7		
White-Green	13	DOF 13	13	6		
Brown-Black	14	DOF 14	14	5		
White-White	15	DOF 15	15	4		
Yellow-Brown	16	DOF 16	16	3		
White-Grey	17	DOF 17	17	2		
Grey-Black	18	DOF 18	18	1		
White-Black	19	DOF 19	19	0		
Black-Brown	20	DOF 20	20	15		
Black-Black	21	DOF 21	21	14		

## 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 <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	Pluggable connector per DIN 41651; female connector
Pole number	40
Connection type	System

### Physical data

Cable length	3 m
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### Material data

Fire load	0 MJ
Weight	479 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	4066966328424
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
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Downloads

Documentation

System Description

WAGO System Wiring, Selection Guide	pdf 533.15 KB	
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