

Data Sheet | Item Number: 706-4756/301-300

System cable; for Rockwell Control Logix; 16 digital inputs or outputs; Length: 3 m; Conductor cross-section: 0.14 mm²

<https://www.wago.com/706-4756/301-300>



Color coding		24 pin M12		16 pin M12	
Pin		Pin		Pin	
Color		Pin		Pin	
Signal		Signal		Signal	
White	1	0.01	2	0.01	1
Brown	2	0.1	1	0.01	2
Green	3	0.2	3	0.01	3
Yellow	4	0.3	4	0.01	4
Grey	5	0.4	5	0.01	5
Pink	6	0.5	6	0.01	6
Blue	7	0.6	7	0.01	7
Red	8	0.7	8	0.01	8
Black	9	1.0	9	0.01	9
White	10	1.1	10	0.01	10
Grey-Phx	11	1.2	11	0.01	11
Blue-Phx	12	1.3	12	0.01	12
White-Phx	13	1.4	13	0.01	13
Brown-Phx	14	1.5	14	0.01	14
Yellow-Phx	15	1.6	15	0.01	15
Pink-Phx	16	1.7	16	0.01	16
Blue-Phx	17	1.8	17	0.01	17
Red-Phx	18	1.9	18	0.01	18
Black-Phx	19	2.0	19	0.01	19
White-Phx	20	2.1	20	0.01	20

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 or outputs
Operating voltage	≤ 35 VAC/VDC
Current per wire (max.)	1 A

Compatibility	
Rockwell	
Rockwell Control Logix	1756 - IB16I 1756 - IB16ISOE 1756 - OB16I 1756 - OB16IS



Connection Data

Cable type	LiYY	Connection 1	
Color code	per DIN VDE 47100	Pluggable connector	Pluggable connector per DIN 41651; female connector
		Pole number 1	20
		Connection type	System
		Wire cross-section	0.14 mm ²

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

Connection 3	
Connector	Allen Bradley 1756-TBS6H/A
Pole number	36
Connection type	System
Wire cross-section	0.14 mm ²

Physical data

Cable length	3 m
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Material data

Weight	615 g
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Environmental requirements

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

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	FR
GTIN	4050821371823

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

Environmental Product Compliance

Compliance Search		
Environmental Product Compliance		
706-4756/301-300		

Documentation

System Description		
WAGO System Wiring, Selection Guide	pdf 533.15 KB	