

Data Sheet | Item Number: 706-2300/209-200

System cable; for Siemens S7-300; 16 digital outputs, var. 1; Length: 2 m; Conductor cross-section: 0.14 mm²

<https://www.wago.com/706-2300/209-200>



Similar to illustration

| Color coding<br>acc. to DIN VDE 47100 | 20 pin flat<br>connector |        | PLC<br>connector |        |
|---------------------------------------|--------------------------|--------|------------------|--------|
|                                       | Pin<br>number            | Wiring | Pin<br>number    | Signal |
| White                                 | 1                        | 0.0    | 2                | 0      |
| Brown                                 | 2                        | 0.1    | 4                | 1      |
| Green                                 | 3                        | 0.2    | 6                | 2      |
| Yellow                                | 4                        | 0.3    | 8                | 3      |
| Grey                                  | 5                        | 0.4    | 12               | 4      |
| Pink                                  | 6                        | 0.5    | 14               | 5      |
| Blue                                  | 7                        | 0.6    | 16               | 6      |
| Red                                   | 8                        | 0.7    | 18               | 7      |
| Black                                 | 9                        | 1.0    | 22               | 8      |
| Violet                                | 10                       | 1.1    | 24               | 9      |
| Grey-Pink                             | 11                       | 1.2    | 26               | 10     |
| Red-Blue                              | 12                       | 1.3    | 28               | 11     |
| White-Green                           | 13                       | 1.4    | 32               | 12     |
| Brown-Green                           | 14                       | 1.5    | 34               | 13     |
| White-Yellow                          | 15                       | 1.6    | 36               | 14     |
| Yellow-Brown                          | 16                       | 1.7    | 38               | 15     |
| White-Gray                            | 17                       | +24V   | 3-11<br>21-31    | L+     |
| Grey-Brown                            | 18                       | 0V     | 10-20<br>30-40   | M      |
| White-Pink                            | 19                       | nc     | nc               | nc     |
| Pink-Brown                            | 20                       | nc     | nc               | nc     |

| 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 outputs |
| Operating voltage       | ≤ AC/DC 35 V       |
| Current per wire (max.) | 1 A                |

| Compatibility  |                           |
|----------------|---------------------------|
| Siemens        |                           |
| Siemens S7-300 | 6ES7 322-8BH01/8BH10-0AB0 |

| Connection data    |                                                     |
|--------------------|-----------------------------------------------------|
| Cable type         | LiYY                                                |
| Color code         | per DIN VDE 47100                                   |
| Connection 1       |                                                     |
| Connector          | Pluggable connector per DIN 41651; female connector |
| Pole number 1      | 20                                                  |
| Connection type 1  | System                                              |
| Wire cross-section | 0.14 mm²                                            |

|                   |                             |
|-------------------|-----------------------------|
| Connection 2      |                             |
| Connector 2       | Siemens 6ES7-392-1BM00-0AA0 |
| Pole number 2     | 40                          |
| Connection type 2 | System                      |

|                   |        |
|-------------------|--------|
| Connection 3      |        |
| Connection type 3 | System |



| Physical data |     |
|---------------|-----|
| Cable length  | 2 m |

| Material Data |       |
|---------------|-------|
| Fire load     | 0 MJ  |
| Weight        | 1.1 g |

| Environmental requirements                         |                |
|----------------------------------------------------|----------------|
| Ambient temperature (operation at U <sub>N</sub> ) | -20 ... +50 °C |

| Commercial data       |               |
|-----------------------|---------------|
| ETIM 8.0              | EC000237      |
| ETIM 7.0              | EC000237      |
| PU (SPU)              | 1 pcs         |
| Packaging type        | Box           |
| Country of origin     | FR            |
| GTIN                  | 4050821829461 |
| Customs tariff number | 85444290900   |

| Downloads                                            |                                                                                     |
|------------------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance                     |                                                                                     |
| Compliance Search                                    |                                                                                     |
| Environmental Product Compliance<br>706-2300/209-200 |  |

| Documentation                       |                                                                                                      |
|-------------------------------------|------------------------------------------------------------------------------------------------------|
| System Description                  |                                                                                                      |
| WAGO System Wiring, Selection Guide | pdf<br>533.15 KB  |