

CABLE-D25SUB/B/2X14/100/TU812 - Cable



2304649

<https://www.phoenixcontact.com/in/products/2304649>

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Round cable set; controller: ABB S800 I/O; connection 1: D-SUB socket strip (1x 25-position); connection 2: IDC/FLK socket strip (2x 14-position); cable length: 1 m



Commercial Data

| | |
|--------------------------------------|---------------------|
| Item number | 2304649 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | CK2 |
| Product Key | CK2151 |
| Catalog Page | Page 469 (C-5-2019) |
| GTIN | 4017918951368 |
| Weight per Piece (including packing) | 164.6 g |
| Weight per Piece (excluding packing) | 164.6 g |
| Customs tariff number | 85444290 |
| Country of origin | DE |

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Technical Data

Product properties

| | |
|--------------|--------------|
| Product type | System cable |
|--------------|--------------|

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Electrical properties

| | |
|---|---------|
| Max. permissible operating voltage | 25 V AC |
| | 60 V DC |
| Max. current carrying capacity per path | 1 A |

Supported controller ABB S800 I/O

| | |
|-------------------|-------|
| Suitable I/O card | DI810 |
| | DI811 |
| | DI814 |
| | DI818 |
| | DI830 |
| | DI831 |
| | DI840 |
| | DI885 |
| | DO810 |
| | DO814 |
| | DO818 |
| | DO840 |

Cable/line

| | |
|--------------|-----|
| Cable length | 1 m |
|--------------|-----|

14X0.14 [PVC]

| | |
|---------------------------------|--------------------------|
| UL AWM Style | 2464/1061 |
| Number of positions | 14 |
| Shielded | no |
| Cable type | 14X0.14 [PVC] |
| Conductor type | Round cable set |
| Conductor structure signal line | 7x 0.16 mm |
| AWG signal line | 26 |
| Conductor cross section | 14x 0.14 mm ² |
| Wire diameter incl. insulation | 1 mm ±0.03 mm |
| External cable diameter | 6.4 mm ±0.4 mm |
| Outer sheath, material | Semi-rigid PVC |

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| | |
|---|---|
| External sheath, color | gray |
| Conductor material | Tin-plated Cu litz wires |
| Cable resistance | ≤ 145 Ω/km (20 °C) |
| Insulation resistance | ≥ 20 MΩ*km (20 °C) |
| Smallest bending radius, fixed installation | 55 mm |
| Smallest bending radius, movable installation | 104 mm |
| Max. bending cycles | 5000 (at a radius of ≥ 15x outside diameter) |
| Halogen-free | no |
| Flame resistance | IEC 60332-1-2 (raw cable) |
| | VDE 0842, Part 332-1-2 (raw cable) |
| | IEC 60332-3-22 (raw cable) |
| | UL VW-1 |
| | CSA FT-1 |
| Resistance to oil | can withstand occasional splashes (raw cable) |
| Type | Splitting cable for two modules |
| Cable, preassembly | Insulation displacement, IEC 60352-4/DIN EN 60352-4 |

color code

| | |
|--------------|--------------------------------|
| D-SUB25 (1) | IDC/FLK14-1 (9) = gray |
| D-SUB25 (2) | IDC/FLK14-1 (10) = white |
| D-SUB25 (3) | IDC/FLK14-1 (1) = black |
| D-SUB25 (4) | IDC/FLK14-1 (3) = red |
| D-SUB25 (5) | IDC/FLK14-1 (5) = yellow |
| D-SUB25 (6) | IDC/FLK14-1 (7) = blue |
| D-SUB25 (7) | IDC/FLK14-2 (1) = black |
| D-SUB25 (8) | IDC/FLK14-2 (3) = red |
| D-SUB25 (9) | IDC/FLK14-2 (5) = yellow |
| D-SUB25 (10) | IDC/FLK14-2 (7) = blue |
| D-SUB25 (11) | IDC/FLK14-2 (9) = gray |
| D-SUB25 (12) | IDC/FLK14-2 (10) = white |
| D-SUB25 (13) | () = |
| D-SUB25 (14) | IDC/FLK14-1 (11) = white-black |
| D-SUB25 (15) | IDC/FLK14-1 (12) = white-brown |
| D-SUB25 (16) | IDC/FLK14-1 (2) = brown |
| D-SUB25 (17) | IDC/FLK14-1 (4) = orange |
| D-SUB25 (18) | IDC/FLK14-1 (6) = green |
| D-SUB25 (19) | IDC/FLK14-1 (8) = violet |
| D-SUB25 (20) | IDC/FLK14-2 (2) = brown |
| D-SUB25 (21) | IDC/FLK14-2 (4) = orange |
| D-SUB25 (22) | IDC/FLK14-2 (6) = green |
| D-SUB25 (23) | IDC/FLK14-2 (8) = violet |
| D-SUB25 (24) | IDC/FLK14-2 (11) = white-black |
| D-SUB25 (25) | IDC/FLK14-2 (12) = white-brown |

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Connection data

Field level

| | |
|-----------------------|----------------------|
| Connection method | IDC/FLK socket strip |
| Number of connections | 2 |
| Number of positions | 14 |
| Pitch | 2.54 mm |

Controller level

| | |
|-----------------------|--------------------|
| Connection method | D-SUB socket strip |
| Number of connections | 1 |
| Number of positions | 25 |

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Approvals



EAC

Approval ID: RU*-DE.HB*35.B00385



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705

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Classifications

ECLASS

| | |
|---------------|----------|
| ECLASS-10.0.1 | 27242220 |
| ECLASS-11.0 | 27242220 |
| ECLASS-12.0 | 27242220 |
| ECLASS-13.0 | 27242220 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC000237 |
|----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 26121600 |
|-------------|----------|

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Environmental Product Compliance

| | |
|------------|--|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 years |
| | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

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Accessories

KME - Cable marker carrier

0807083

<https://www.phoenixcontact.com/in/products/0807083>



Cable marker carrier, white, unlabeled, mounting type: Assembly with cable ties, cable diameter: > 5 mm, lettering field size: 20 x 8 mm

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