

## Data sheet

6XV1822-5BE50

### product type designation

product description

### 7/8 inch connecting cable

Plug-in cable (5-core), preferred length, preassembled with two 5-pole 7/8 inch male/female-contact connectors

7/8" plug-in cable for Power supply of the ET 200, pre-assembled cable with 2 7/8" connectors, 5-pole, 0.5 m .



suitability for use

Power supply of ET 200 modules with 7/8 inch power port to IP 65 degree of protection

cable designation

L-Y11Y-Z 5x1x1.5 GR

wire length

0.5 m

### electrical data

insulation resistance coefficient

1 GΩ·m

operating voltage / RMS value

600 V

conductor cross section / of the power line

1.5 mm²

continuous current / of the power lines

16 A

### mechanical data

number of electrical cores

5

type of electrical connection

7/8 inch - 180

outer diameter

- of inner conductor

1.55 mm

- of the wire insulation

2.73 mm

- of cable sheath

10.5 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.3 mm

design of stranding element

Pairs

conductor class

5

material

- of the conductor

CU, blank

- of the wire insulation

PVC

- of cable sheath

PUR

product component / PE connection

Yes

marking / of cores

Color, digits

color

- of the power line insulation

black

- of cable sheath

gray

bending radius

- with single bend / minimum permissible

27 mm

- with multiple bends / minimum permissible

63 mm

- with continuous bending

75 mm

number of bending cycles

5000000; For use in cable carriers, for 5 million bending cycles with a bending radius of 75 mm, an acceleration of 4 m/s² and a speed of 180 m/min

tensile load / maximum

500 N

weight per length

149 kg/km

### plug

|                                                                          |                                                                                                     |
|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| type of plug interlock                                                   | screwed                                                                                             |
| design of plug-in connection                                             | 7/8 inch - 180                                                                                      |
| connector coding                                                         | 7/8 inch                                                                                            |
| <b>ambient conditions</b>                                                |                                                                                                     |
| ambient temperature                                                      |                                                                                                     |
| • during operation                                                       | -40 ... +80 °C                                                                                      |
| • during storage                                                         | -40 ... +80 °C                                                                                      |
| • during transport                                                       | -40 ... +80 °C                                                                                      |
| • during installation                                                    | -40 ... +80 °C                                                                                      |
| fire behavior                                                            | Flame-resistant acc. to IEC 60332-1                                                                 |
| chemical resistance                                                      |                                                                                                     |
| • to mineral oil                                                         | resistant                                                                                           |
| • to grease                                                              | resistant                                                                                           |
| radiological resistance / to UV radiation                                | resistant                                                                                           |
| protection class IP                                                      | IP65 / 67                                                                                           |
| <b>product features, product functions, product components / general</b> |                                                                                                     |
| product feature                                                          |                                                                                                     |
| • halogen-free                                                           | No                                                                                                  |
| • silicon-free                                                           | Yes                                                                                                 |
| <b>standards, specifications, approvals</b>                              |                                                                                                     |
| UL/ETL listing / 300 V Rating                                            | No                                                                                                  |
| UL/ETL style / 600 V Rating                                              | Yes                                                                                                 |
| certificate of suitability                                               |                                                                                                     |
| • EAC approval                                                           | Yes                                                                                                 |
| • RoHS conformity                                                        | Yes                                                                                                 |
| <b>further information / internet-Links</b>                              |                                                                                                     |
| Internet-Link                                                            |                                                                                                     |
| • to web page: selection aid TIA Selection Tool                          | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>   |
| • to website: Industrial communication                                   | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall                                              | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center                            | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Selection guide for cables and connectors                  | <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>                                         |
| • to website: Image database                                             | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAX-Download-Manager                                       | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support                                    | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |
| <b>last modified:</b>                                                    | 5/20/2021        |