

### 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, 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

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 mm<sup>2</sup>

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/s<sup>2</sup> 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>             |

**last modified:**

5/20/2021 