

### 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, 1.0 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

1 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
<b>plug</b>	
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>
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• 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>
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