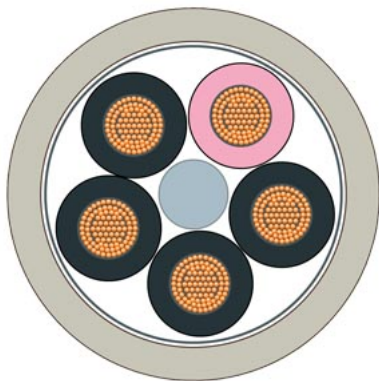


### product type designation

product description



### Energy cable 5 x 1.5

Power cable (5-core), sold by the meter, unassembled

Energy cable, 5-core power line, stranded wire, 5x 1.5 mm<sup>2</sup>, trailable Delivery unit: max. 1000 m, minimum order quantity 20 m sold by the meter

suitability for use

Power supply of ET 200 modules with 7/8" power port

cable designation

L-Y11Y-Z 5x1x1.5 GR

### 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

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

No

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

4x black, 1x pink

• 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

### ambient conditions

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
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	DIN EN 60811-2-1
• to grease	resistant
• to water	Conditional resistance
radiological resistance / to UV radiation	resistant

#### product features, product functions, product components / general

product feature	
• halogen-free	No
• silicon-free	Yes

#### standards, specifications, approvals

UL/ETL listing / 300 V Rating	No
UL/ETL style / 600 V Rating	Yes
certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes
reference code	
• according to IEC 81346-2:2019	WDB

#### further information / internet links

internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Industrial communication	<a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

#### security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="https://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a> . (V4.7)
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#### Approvals / Certificates

##### General Product Approval

[Manufacturer Declaration](#)



[Declaration of Conformity](#)



#### Environment

[Confirmation](#)

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