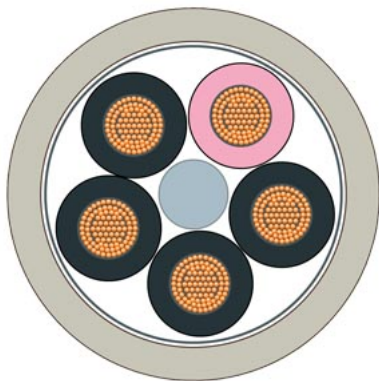


product type designation

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 mm², 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 mm²

continuous current / of the power lines

16 A

mechanical data

number of electrical cores

5

outer diameter

- of inner conductor
- of the wire insulation
- of cable sheath

1.55 mm
2.73 mm
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
- of the wire insulation
- of cable sheath

CU, blank
PVC
PUR

product component / PE connection

Yes

marking / of cores

Color, digits

color

- of the power line insulation
- of cable sheath

4x black, 1x pink
gray

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible
- with continuous bending

27 mm
63 mm
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

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +80 °C
-40 ... +80 °C
-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




further information / internet links

internet link	
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	<p>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 www.siemens.com/cybersecurity-industry. 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 https://www.siemens.com/cert. (V4.7)</p>
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Approvals / Certificates

General Product Approval	Test Certificates
Manufacturer Declaration 	Declaration of Conformity 
	

Environment

[Confirmation](#)

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4/19/2024 

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