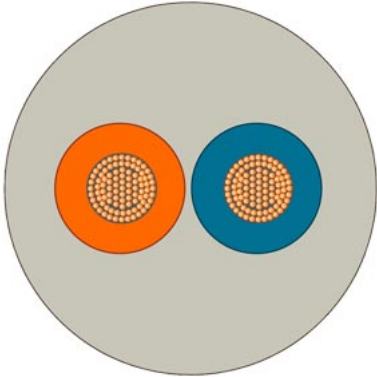


product type designation	Energy cable 2 x 0.75
product description	Power cable (2-core), sold by the meter, unassembled
	Energy cable, 2-wire power line, stranded wire, 2x 0.75 mm ² , trailable Delivery unit max. 2000 m minimum order quantity 20 m sold by the meter
	
suitability for use	Connection of signaling contact and 24 V power supply to SCALANCE X and SCALANCE W
cable designation	L-YY-2x1x0.75 GR
electrical data	
insulation resistance coefficient	1 GΩ·m
operating voltage / RMS value	600 V
conductor cross section / of the power line	0.75 mm ²
continuous current / of the power lines	6 A
mechanical data	
number of electrical cores	2
outer diameter	
• of inner conductor	1.3 mm
• of the wire insulation	2.5 mm
• of cable sheath	7.4 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	PVC
product component / PE connection	No
marking / of cores	Color
color	
• of the power line insulation	brown / blue
• of cable sheath	gray
bending radius	
• with single bend / minimum permissible	19 mm
• with multiple bends / minimum permissible	45 mm
• with continuous bending	57 mm
number of bending cycles	100000
tensile load / maximum	100 N
weight per length	70 kg/km
ambient conditions	
ambient temperature	
• during operation	-20 ... +80 °C
• during storage	-20 ... +80 °C
• during transport	-20 ... +80 °C

• during installation	-20 ... +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	Conditional resistance
• to grease	Conditional resistance
• 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	Yes; CL3
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	other
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EG-Konf.

[Declaration of Conformity](#)



[Manufacturer Declaration](#)

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4/19/2024

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