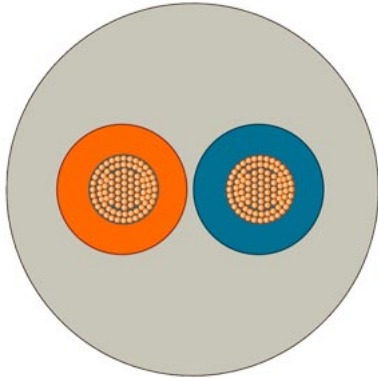


product type designation

product description



Energy cable 2 x 0.75

Power cable (2-core), sold by the meter, unassembled

Energy cable, 2-wire power line, stranded wire, 2x 0.75 mm², trailable Delivery unit max. 2000 m minimum order quantity 20 m sold by the meter

Technical Product Detail Page

<https://l.siemens.com/1P6XV1812-8A>

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

<ul style="list-style-type: none"> during storage during transport during installation 	-20 ... +80 °C
ambient condition / for operation	temperature range for permanent installation -30 °C to 90 °C
fire behavior	Flame-resistant acc. to IEC 60332-1
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> to mineral oil to grease to water 	Conditional resistance Conditional resistance Conditional resistance
radiological resistance / to UV radiation	resistant

product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> halogen-free silicon-free 	No Yes

standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CL3
UL/ETL style / 600 V Rating	Yes
certificate of suitability	
<ul style="list-style-type: none"> EAC approval RoHS conformity 	Yes Yes

further information / internet links


internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax 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>
----------------------	--

Approvals / Certificates

General Product Approval

Manufacturer Declaration		Declaration of Conformity			China RoHS
--	---	---	---	---	----------------------------

General Product Approval	Environment	Industrial Communication
--------------------------	-------------	--------------------------

Fire safety / Physical security	Environmental Conformations	PROFINET
---	---	--------------------------

last modified:

10/29/2025 