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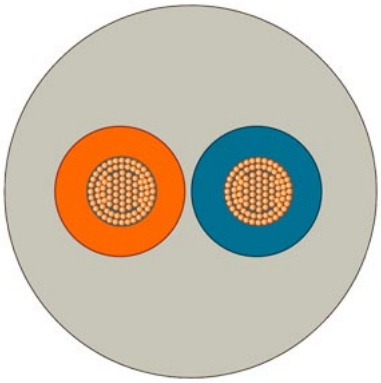
Data sheet 6XV1812-8A

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 mm2, 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 mm²
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

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● 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	
● 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
reference code	
● according to IEC 81346-2:2019	WDB
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
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 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)

Approvals / Certificates

General Product Approval					Environment
Manufacturer Declaration	CE EG-Konf.	Declaration of Conformity	UK CA	CCC	Confirmation

Industrial Communication

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last modified: 8/18/2024

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