

Data sheet

6XV1812-8A

Product type designation

Product description

Energy cable 2 x 0.75

Power cable (2-core), sold by the meter, unassembled
SIMATIC NET ENERGY CABLE, 2-WIRE ENERGY CABLE, LITZ
WIRE, 2 X 0.75 SQMM, TRAILING TYPE MAX. CONSIGNMENT:
2000 M, MIN. LENGTH ORDERED: 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 wire	0.75 mm ²
Continuous current / of the power wires	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	Cl.5
Material	
• of the conductor	CU, blank
• of the wire insulation	PVC
• of cable sheath	PVC
Marking / of cores	Color
Color	
• of the power wire insulation	brown / blue
• of cable sheath	gray
Bending radius	
• with single bend / minimum permissible	19 mm
• with multiple bends / minimum permissible	45 mm
Tensile load / maximum	100 N
Weight per length	70 kg/km

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +80 °C
• during storage	-20 ... +80 °C
• during transport	-20 ... +80 °C
• during installation	-20 ... +80 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
• to water	Conditional resistance
Radiological resistance / to UV radiation	resistant

Product properties, functions, 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	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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