

Data sheet

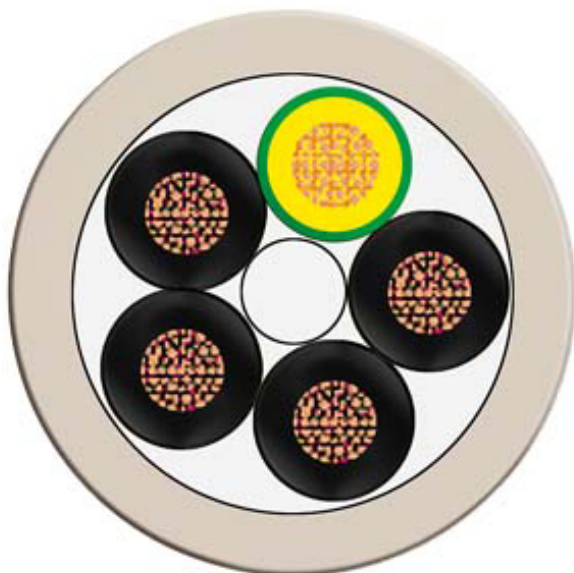
6XV1830-8AH10

Product type designation

Product description

Energy cable 5 x 1.5

Power cable (5-core), sold by the meter, unassembled
SIMATIC NET ENERGY CABLE, 5-WIRE ENERGY CABLE, LITZ
WIRE, 5 X 1.5 SQMM, TRAILING TYPE MAX. CONSIGNMENT:
1000 M, MIN. LENGTH ORDERED: 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 wire	1.5 mm ²
Continuous current / of the power wires	16 A

Mechanical data

Number of electrical cores	5
Outer diameter	
• of inner conductor	1.55 mm
• of the wire insulation	2.73 mm
• of cable sheath	10.5 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
Design of stranding element	No
Conductor class	Cl.5

Material	
• of the conductor	CU, blank
• of the wire insulation	PVC
• of cable sheath	PUR
Marking / of cores	Color, digits
Color	
• of the power wire insulation	4x black, 1x green / yellow
• of cable sheath	gray
Bending radius	
• with single bend / minimum permissible	27 mm
• with multiple bends / minimum permissible	63 mm
• with continuous bending	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/s ² and a speed of 180 m/min
Tensile load / maximum	500 N
Weight per length	149 kg/km

Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-40 ... +80 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1
Chemical resistance	
• to mineral oil	DIN EN 60811-2-1
• to grease	resistant
• 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	No
UL/ETL style / 600 V Rating	Yes
Certificate of suitability	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link	
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- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

last modified:

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

<http://www.siemens.com/simatic-net>

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

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

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

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

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

10/12/2016