

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	
<ul style="list-style-type: none"> • of the power wire insulation • of cable sheath 	Brown/blue gray
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	19 mm 45 mm
Tensile load / maximum	100 N
Weight per length	70 kg/km

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-20 ... +80 °C -20 ... +80 °C -20 ... +80 °C -20 ... +80 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1
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 properties, functions, components / general

Product property	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes

Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • 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 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/automation/net/catalog http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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