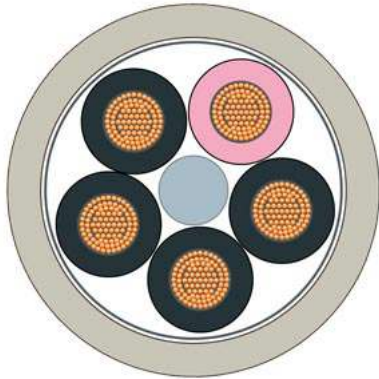


product type designation

product description



Energy cable 5 x 1.5

Power cable (5-core), sold by the meter, unassembled

Energy cable, 5-core power line, stranded wire, 5x 1.5 mm², trailable
Delivery unit: max. 1000 m, minimum order quantity 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 line	1.5 mm ²
continuous current / of the power lines	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	5
material	
• of the conductor	CU, blank
• of the wire insulation	PVC
• of cable sheath	PUR
product component / PE connection	Yes
marking / of cores	Color, digits
color	
• of the power line insulation	4x black, 1x pink
• 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
ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C

<ul style="list-style-type: none"> • during storage • during transport • during installation 	-40 ... +80 °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 	DIN EN 60811-2-1 resistant 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	No
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 web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

last modified:

5/20/2021 