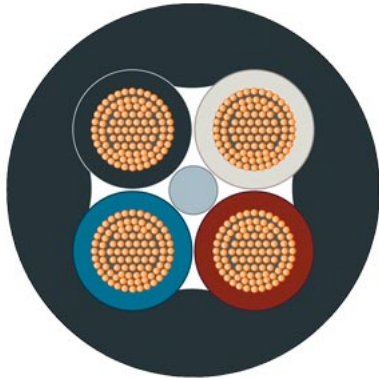


product type designation

product description



Energy cable 4 x 1.5

Power cable (4-core), sold by the meter, unassembled

Energy cable, 4-core power line, stranded wire, 4x 1.5 mm², trailable
Delivery unit: max. 1000 m, minimum order quantity 20 m sold by the meter

suitability for use	connection of 24 V power supply
cable designation	LIYY 4X1X1.5 BK
electrical data	
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	4
outer diameter	
• of inner conductor	1.6 mm
• of the wire insulation	2.3 mm
• of cable sheath	7.7 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
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 / white / blue / black
• of cable sheath	Black
bending radius	
• with single bend / minimum permissible	31 mm
• with multiple bends / minimum permissible	62 mm
• with continuous bending	62 mm
number of bending cycles	2000000
tensile load / maximum	100 N
weight per length	97 kg/km
ambient conditions	
ambient temperature	
• during operation	-20 ... +90 °C
• during storage	-30 ... +90 °C
• during transport	-30 ... +90 °C
• during installation	-20 ... +90 °C

fire behavior	Flame-resistant acc. to IEC 60332-1-2
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 	Oil resistant according to EN 50290-2-22 (VDE 0819), compound type TM55 (7x24h/90 °C) Conditional resistance 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	Yes; c(ETL)us 3047254 CM 75°C
UL/ETL style / 600 V Rating	Yes; E502506 AWM STYLE 21216 90°C
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
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