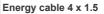
SIEMENS

Data sheet 6XV1801-2B

product type designation

product description



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 mm²		
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			
• to mineral oil			Oil resistant according to EN 50290-2-22 (VDE 0819), compound type TM55 (7x24h/90 °C)
to grease			Conditional resistance
to water			resistant according to UL 758 (75°C)
radiological resistance /	to UV radiation		resistant
product features, produ	ct functions, product co	mponents / gene	ral
product feature			
 halogen-free 			No
 silicon-free 			Yes
standards, specification	ıs, approvals		
UL/ETL listing / 300 V R	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			wet-resistant according to UL Style 22374
EAC approval			Yes
RoHS conformity			Yes
further information / inte	ernet links		
internet link			
• to website: Image database			https://www.automation.siemens.com/bilddb
to website: Industry Online Support			https://support.industry.siemens.com
security information			
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