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Data sheet 6XV1822-5BH50

product type designation
product description

7/8 inch connecting cable
Plug-in cable (5-core), preferred length, preassembled with two 5-pole 7/8 inch male/female-contact connectors
7/8" plug-in cable for Power supply of the ET 200, pre-assembled cable with 2 7/8" connectors, 5-pole, 5 m



suitability for use	Power supply of ET 200 modules with 7/8 inch power port to IP 65 degree of protection
cable designation	L-Y11Y-Z 5x1x1.5 GR
wire length	5 m
electrical data	
insulation resistance coefficient	1 GΩ·m
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	5
type of electrical connection	7/8 inch - 180
outer diameter	
• of inner conductor	1.55 mm
• of the wire insulation	2.73 mm
• of cable sheath	10.5 mm

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symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
design of stranding element	Pairs
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	black
• 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/s² and a speed of 180 m/min
tensile load / maximum	500 N
weight per length	149 kg/km

plug	
type of plug interlock	screwed
design of plug-in connection	7/8 inch - 180
connector coding	7/8 inch

ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-40 ... +80 °C
fire behavior	Flame-resistant acc. to IEC 60332-1
chemical resistance	
• to mineral oil	resistant
• to grease	resistant
radiological resistance / to UV radiation	resistant
protection class IP	IP65 / 67

product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes

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standards, specifications, approvals	
UL/ETL listing / 300 V Rating	No
UL/ETL style / 600 V Rating	Yes
certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes

further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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