SIEMENS

Data sheet _____ 6XV1822-5BH10

Product type designation	7/8 inch connecting cable
Product description	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, 1.0m

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	1 m

Electrical data

Insulation resistance coefficient	1 GΩ·m
Operating voltage / RMS value	600 V
Conductor cross section / of the power wire	1.5 mm²
Continuous current / of the power wires	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

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 wire 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
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
Burning 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

Standards, specifications, approvals

UL/ETL listing / 300 V Rating	No
UL/ETL style / 600 V Rating	Yes
Certificate of suitability	
• RoHS conformity	Yes

Further information / Internet-Links

Internet-Link	
• to website: Selector SIMATIC NET 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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