

Data sheet

6XV1822-5BH30

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
SIMATIC NET, 7/8" CONN. CABLE FOR POWER SUPPLY OF ET200, PREASSEMBLED CABLE WITH 2 7/8" CONNECTORS, 5-PIN, 3 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	3 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	Cl.5
Material • of the conductor • of the wire insulation • of cable sheath	CU, blank PVC PUR
Marking / of cores	Color, digits
Color • of the power wire insulation • of cable sheath	black gray
Bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending	27 mm 63 mm 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

connector

Type of plug interlock	screwed
Design of plug-in connection	7/8 inch - 180
Connector coding	7/8 inch

Permitted ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -40 ... +80 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1
Chemical resistance • to mineral oil • to grease	resistant resistant
Radiological resistance / to UV radiation	resistant
Protection class IP	IP65 / 67

Product properties, functions, components / general

Product feature • halogen-free • silicon-free	No 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	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link

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|--|---|
| • 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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