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## Data sheet 6XV1822-5BH20

**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, 2.0 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 | 2 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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