

### 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 wire	1.5 mm <sup>2</sup>
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 <ul style="list-style-type: none"> <li>• of the conductor</li> <li>• of the wire insulation</li> <li>• of cable sheath</li> </ul>	CU, blank PVC PUR
Marking / of cores	Color, digits
Color <ul style="list-style-type: none"> <li>• of the power wire insulation</li> <li>• of cable sheath</li> </ul>	black gray
Bending radius <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> <li>• with continuous bending</li> </ul>	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 <sup>2</sup> 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 <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-40 ... +80 °C -40 ... +80 °C -40 ... +80 °C -40 ... +80 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1
Chemical resistance <ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	resistant resistant
Radiological resistance / to UV radiation	resistant
Protection class IP	IP65 / 67

### Product properties, functions, components / general

Product feature <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	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

- 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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