

### Product type designation

Product description

### POWER CONNECTING CABLE M12-180/M12-180

Flexible plug-in cable (4-core), preferred length, preassembled with one 4-pole M12 male and one female connector (A-coded)  
 POWER CONNECTING CABLE M12-180/M12-180 FOR POWER SUPPLY OF ET200, PREASSEMBLED CABLE WITH M12 CONNECT. AND M12 A-CODE FEMALE CONNECTOR 4-POLE 0.3 M



Suitability for use	Cable for connecting the 24 V power supply to ET 200eco PN to IP 65/67 degree of protection
Cable designation	LI9YH-Y 4x0.75
Cable length	0.3 m

### Electrical data

Operating voltage / RMS value	300 V
Conductor cross section / of the power wire	0.75 mm <sup>2</sup>

### Mechanical data

Number of electrical cores	4
Type of electrical connection	M12-180
Outer diameter	
• of inner conductor	1.1 mm
• of the wire insulation	1.7 mm
• of cable sheath	5.7 mm
Symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
Design of stranding element	Pairs
Conductor class	Cl.5
Material	
• of the conductor	CU, blank
• of the wire insulation	PP
• of cable sheath	PVC
Marking / of cores	Color

Color	
<ul style="list-style-type: none"> <li>• of the power wire insulation</li> <li>• of cable sheath</li> </ul>	Brown / white / blue / black gray
Bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	57 mm 57 mm
Tensile load / maximum	15 N
Weight per length	54 kg/km

#### connector

Type of plug interlock	screwed
Design of plug-in connection	M12-180
Connector coding	M12
Connector coding / of the M12 circular connector	A coded

#### 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> <li>• Note</li> </ul>	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C 80 °C With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius
Burning behavior	Flame-resistant acc. to UL 758 (CSA FT 1)
Chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	Conditional resistance Conditional resistance
Radiological resistance / to UV radiation	Not resistant
Protection class IP	IP65/67

#### Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No Yes

#### Standards, specifications, approvals

Certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes

#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

**last modified:**

09.03.2015