

### product type designation

product description

### Power Connecting Cable M12-90/M12-90

Flexible plug-i...able outl002

Power connecting cable M12-90/M12-90 for the power supply of the ET200, pre-assembled cable with M12 plug and M12 socket, A-coded, 4 pin 3 m.



Figure similar

suitability for use

Plug-in cable for connecting 24 V power supply to ET 200 & XP-200 with IP 65/67 degree of protection

cable designation

LI9YH-Y 4x0.75

wire length

3 m

### electrical data

operating voltage / RMS value

300 V

conductor cross section / of the power line

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

5

material

- of the conductor

CU, blank

- of the wire insulation

PP

- of cable sheath

PVC

product component / PE connection

No

marking / of cores

Color

color

- of the power line insulation

brown / white / blue / black

- of cable sheath

gray

bending radius

- with single bend / minimum permissible

57 mm

- with multiple bends / minimum permissible

57 mm

- with continuous bending

57 mm

number of bending cycles

100000

tensile load / maximum

15 N

weight per length

54 kg/km

### plug

type of plug interlock

screwed

design of plug-in connection

M12-90

connector coding	M12
connector coding / of the M12 circular connector	A coded
<b>ambient conditions</b>	
ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-25 ... +80 °C
<ul style="list-style-type: none"> <li>during installation</li> </ul>	80 °C
ambient condition / for operation	With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius
fire behavior	Flame-resistant acc. to UL 758 (CSA FT 1)
chemical resistance	
<ul style="list-style-type: none"> <li>to mineral oil</li> </ul>	Conditional resistance
<ul style="list-style-type: none"> <li>to grease</li> </ul>	Conditional resistance
radiological resistance / to UV radiation	not resistant
protection class IP	IP65 / 67
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> </ul>	No
<ul style="list-style-type: none"> <li>silicon-free</li> </ul>	Yes
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> </ul>	Yes
<ul style="list-style-type: none"> <li>RoHS conformity</li> </ul>	Yes
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
<ul style="list-style-type: none"> <li>to website: Industrial communication</li> </ul>	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
<ul style="list-style-type: none"> <li>to website: Industry Mall</li> </ul>	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
<ul style="list-style-type: none"> <li>to website: Information and Download Center</li> </ul>	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
<ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> </ul>	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
<ul style="list-style-type: none"> <li>to website: Image database</li> </ul>	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
<ul style="list-style-type: none"> <li>to website: CAx-Download-Manager</li> </ul>	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
<ul style="list-style-type: none"> <li>to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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