

product type designation  
product description

**Power Connecting Cable M12-90/M12-90**  
Flexible plug-in cable  
Power connecting cable M12-90/M12-90 for power supply of the ET200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4 pole, 0.3 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	L19YH-Y 4x0.75
wire length	0.3 m
<b>electrical data</b>	
operating voltage / RMS value	300 V
conductor cross section / of the power wire	0.75 mm <sup>2</sup>
<b>mechanical data</b>	
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 <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 PP PVC
product component / PE connection	No
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> <li>• with continuous bending</li> </ul>	57 mm 57 mm 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

#### 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 features, product functions, product 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

### certificate of suitability

- EAC approval
- RoHS conformity

Yes

Yes

## further information / internet-Links

### Internet-Link

- to website: Selector TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

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

<http://www.siemens.com/simatic-net>

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

<http://www.siemens.com/industry/infocenter>

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

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

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

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