

Product type designation

Product description

Power Connecting Cable M12-180/M12-180

Flexible plug-in cable

Power connecting cable M12-180/M12-180 for Power supply of the ET 200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4-pole, 1.0 m



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	1 m
Electrical data	
Operating voltage / RMS value	300 V
Conductor cross section / of the power wire	0.75 mm ²
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	
<ul style="list-style-type: none"> • of the conductor • of the wire insulation • of cable sheath 	CU, blank PP PVC
Product component / PE connection	No
Marking / of cores	Color
Color	
<ul style="list-style-type: none"> • of the power wire insulation • of cable sheath 	brown / white / blue / black gray
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending 	57 mm 57 mm 57 mm
Number of bending cycles	100000
Tensile load / maximum	15 N
Weight per length	54 kg/km
Type of plug interlock	screwed
Design of plug-in connection	M12-180
Connector coding	M12
Connector coding / of the M12 circular connector	A coded

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation • Note 	-25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -5 ... +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"> • to mineral oil • to grease • to water 	Conditional resistance 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"> • halogen-free • silicon-free 	No Yes

Standards, specifications, approvals

Certificate of suitability

- RoHS conformity

Yes

Further information / Internet-Links

Internet-Link

- to website: Selector SIMATIC NET 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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