

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 1.0 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	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	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"> • 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 	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"> • 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 properties, functions, components / general

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

Standards, specifications, approvals

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

Further Information / Internet Links

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

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

<http://www.siemens.com/automation/net/catalog>

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

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

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

last modified:

19.03.2015