

Product type designation

Power Connecting Cable M12-90/M12-90
 POWER CONNECTING CABLE M12-90/M12-90 FOR POWER
 SUPPLY OF ET200, PREASSEMBLED CABLE W/ M12 CONNECT.,
 AND M12 FEM. CONN., A CODED, 4 WIRE 1 M



Figure similar

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	Cl.5

Material	
<ul style="list-style-type: none"> • of the conductor • of the wire insulation • of cable sheath 	<p>CU, blank</p> <p>PP</p> <p>PVC</p>
Marking / of cores	Color
Color	
<ul style="list-style-type: none"> • of the power wire insulation • of cable sheath 	<p>brown / white / blue / black</p> <p>gray</p>
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	<p>57 mm</p> <p>57 mm</p>
Tensile load / maximum	15 N
Weight per length	54 kg/km

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

Product properties, functions, components / general	
Product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	<p>No</p> <p>Yes</p>

Standards, specifications, approvals	
Certificate of suitability	
<ul style="list-style-type: none"> • 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

last modified:

<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>

09/11/2017