

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 0.5 m.



product brand name

SIMATIC NET

Technical Product Detail Page

<https://i.siemens.com/1P6XV1801-5GE50>

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

0.5 m

electrical data

operating voltage / RMS value

300 V

conductor cross section / of the power line

0.75 mm²

mechanical data

number of electrical cores

4

type of electrical connection

M12-180

outer diameter

- of inner conductor
- of the wire insulation
- of cable sheath

1.1 mm
1.7 mm
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
- of the wire insulation
- of cable sheath

CU, blank
PP
PVC

product component / PE connection

No

marking / of cores

Color

color

- of the power line insulation
- of cable sheath

brown / white / blue / black
gray

bending radius

- 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

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	
• during operation	-25 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
• during installation	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	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
radiological resistance / to UV radiation	not resistant
protection class IP	IP65 / 67
product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; AWM 2464/10493 AWM I/II A/B 80°C 300V FT1
certificate of suitability	UL2238 E300110
• EAC approval	Yes
• RoHS conformity	Yes
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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General Product Approval	



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