

product type designation

product description

Power Connecting Cable M12-90/M12-90

Flexible plug-in cable 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 1 m.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1801-5GH10>

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 line

0.75 mm²

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

• of the conductor

CU, blank

• of the wire insulation

PP

• of cable sheath

PVC

product component / PE connection

No

marking / of cores

Color

color

• of the power line insulation

brown / white / blue / black

• of cable sheath

gray

bending radius

• with single bend / minimum permissible

57 mm

• with multiple bends / minimum permissible

57 mm

• with continuous bending

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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Approvals / Certificates

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|--------------------------|--------------------------|
| General Product Approval | Industrial Communication |
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[Manufacturer Declaration](#)

[PROFINET](#)

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