

product type designation

product description

Power Connecting Cable M12-180/M12-180

Flexible plug-i...able outl001

Power connecting cable M12-180/M12-180 for the power supply of the ET 200, pre-assembled cable with M12 plug and M12 socket, A-coded, 4-pole, 3.0 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

3 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

M12-180

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 |
| 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 | |
| certificate of suitability | |
| • EAC approval | Yes |
| • RoHS conformity | Yes |
| further information / internet-Links | |
| Internet-Link | |
| • to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |
| last modified: | 5/11/2022  |