

product type designation

product description

Robust Power Connecting Cable M12-180/M12-180, IP69, 3 m

Robust, flexible connection cable (4-wire), preferred length, preassembled with two 4 pin M12 connectors (A-coded)

Robust Power Connecting Cable M12-180/M12-180, IP69, for 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

For connecting Industrial Ethernet stations with degree of protection IP65/67/69. Cable with FEP jacket (fluorinated plastic, perfluoroethylene propylene) for use in the food, beverage and tobacco industry (IP69 resistant). Cable is water-repellent, weather-proof, resistant to microbes, and extremely resistant to many cleaning agents and disinfectants (such as hypochlorite, chlorine dioxide, peroxyacetic acid, and quaternary ammonium cations).

cable designation

LI9YY6Y 4X1X0.75 GY

wire length

3 m

electrical data

insulation resistance coefficient

20 GΩ·m

operating voltage / RMS value

300 V

conductor cross section / of the power line

0.75 mm²

continuous current / of the power lines

4.5 A

mechanical data

number of electrical cores

4

outer diameter

- of inner conductor

1.15 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

conductor class

5

material

- of the conductor

CU, blank

- of the wire insulation

PP

- of cable sheath

PVC/FEP; FEP transparent

product component / PE connection

No

marking / of cores

Color

color

- of the power line insulation

brown / blue, white / black

- of cable sheath

gray

bending radius

- with single bend / minimum permissible

23 mm

- with multiple bends / minimum permissible

46 mm

- with continuous bending

100 mm

number of bending cycles

1000000; acceleration 4 m/s²

number of torsion cycles / with torsion by ± 180° on 1 m cable length


1000000

tensile load / maximum

150 N

weight per length

53 kg/km

| ambient conditions | |
|---|--|
| ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport during installation | -40 ... +80 °C |
| fire behavior | Flame-resistant acc. to IEC 60332-1-2 |
| chemical resistance | |
| <ul style="list-style-type: none"> to mineral oil to grease to water | oil resistant according to DIN EN 60811-404 (7x24h/90°C) resistant resistant |
| radiological resistance / to UV radiation | resistant according to UL 2556 Sec. 4.2.8.5 |
| protection class IP | IP69 |
| product features, product functions, product components / general | |
| product feature | |
| <ul style="list-style-type: none"> halogen-free silicon-free | No Yes |
| standards, specifications, approvals | |
| certificate of suitability | UL: E337822 PROCESSED WIRE COMPONENT |
| <ul style="list-style-type: none"> EAC approval RoHS conformity | Yes Yes |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Selection guide for cables and connectors to website: Image database to website: CAx-Download-Manager to website: Industry Online Support | http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com |
| last modified: | 5/20/2021  |