

Product type designation

Product description

Power Connecting Cable M12-90/M12-90

Flexible plug-in cable outlet

Power connecting cable M12-90/M12-90 for power supply of the ET200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4 pin, 15 m



Figure similar

| | |
|---|--|
| 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 | 15 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 | 5 |
| Material <ul style="list-style-type: none"> • of the conductor • of the wire insulation • of cable sheath | CU, blank PP PVC |
| Product component / PE connection | No |
| Marking / of cores | Color |
| Color <ul style="list-style-type: none"> • of the power wire insulation • of cable sheath | brown / white / blue / black gray |
| Bending radius <ul style="list-style-type: none"> • 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 |

connector

| | |
|--|---------|
| Type of plug interlock | screwed |
| Design of plug-in connection | M12-90 |
| 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 | -25 ... +80 °C -25 ... +80 °C -25 ... +80 °C 80 °C With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius |
| Burning behavior | Flame-resistant acc. to UL 758 (CSA FT 1) |
| Chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease | Conditional resistance Conditional resistance |
| 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 | No Yes |
|--|-----------|

Standards, specifications, approvals

Certificate of suitability

- 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

<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>

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