

Product type designation

Power Connecting Cable M12-90/M12-90
 POWER CONNECTING CABLE M12-90/M12-90 FOR POWER
 SUPPLY OF ET200, PREASSEMBLED CABLE W/ M12 CONNECT.
 AND M12 FEM. CONN., A CODED, 4 WIRE 15 M



Figure similar

| | |
|---|----------------------|
| 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 | Cl.5 |

| | |
|---|---|
| Material | |
| <ul style="list-style-type: none"> • of the conductor • of the wire insulation • of cable sheath | <p>CU, blank</p> <p>PP</p> <p>PVC</p> |
| Marking / of cores | Color |
| Color | |
| <ul style="list-style-type: none"> • of the power wire insulation • of cable sheath | <p>brown / white / blue / black</p> <p>gray</p> |
| Bending radius | |
| <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible | <p>57 mm</p> <p>57 mm</p> |
| Tensile load / maximum | 15 N |
| Weight per length | 54 kg/km |

connector

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

Standards, specifications, approvals

| | |
|---|-----|
| Certificate of suitability | |
| <ul style="list-style-type: none"> • 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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