

### Product type designation

Product description

### 7/8 inch connecting cable

Plug-in cable (5-core), preferred length, preassembled with two 5-pole 7/8 inch male/female-contact connectors  
SIMATIC NET, 7/8" CONN. CABLE FOR POWER SUPPLY OF ET200, PREASSEMBLED CABLE WITH 2 7/8" CONNECTORS, 5-PIN, 1.5 M



|                                             |                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------|
| Suitability for use                         | Power supply of ET 200 modules with 7/8 inch power port to IP 65 degree of protection |
| Cable designation                           | L-Y11Y-Z 5x1x1.5 GR                                                                   |
| Wire length                                 | 1.5 m                                                                                 |
| <b>Electrical data</b>                      |                                                                                       |
| Insulation resistance coefficient           | 1 GΩ·m                                                                                |
| Operating voltage / RMS value               | 600 V                                                                                 |
| Conductor cross section / of the power wire | 1.5 mm²                                                                               |
| Continuous current / of the power wires     | 16 A                                                                                  |
| <b>Mechanical data</b>                      |                                                                                       |
| Number of electrical cores                  | 5                                                                                     |
| Type of electrical connection               | 7/8 inch - 180                                                                        |
| Outer diameter                              |                                                                                       |
| • of inner conductor                        | 1.55 mm                                                                               |
| • of the wire insulation                    | 2.73 mm                                                                               |
| • of cable sheath                           | 10.5 mm                                                                               |

|                                                                                                                                                                                                   |                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Symmetrical tolerance of the outer diameter / of cable sheath                                                                                                                                     | 0.3 mm                                                                                                                                                          |
| Design of stranding element                                                                                                                                                                       | Pairs                                                                                                                                                           |
| Conductor class                                                                                                                                                                                   | Cl.5                                                                                                                                                            |
| Material <ul style="list-style-type: none"> <li>• of the conductor</li> <li>• of the wire insulation</li> <li>• of cable sheath</li> </ul>                                                        | CU, blank<br>PVC<br>PUR                                                                                                                                         |
| Marking / of cores                                                                                                                                                                                | Color, digits                                                                                                                                                   |
| Color <ul style="list-style-type: none"> <li>• of the power wire insulation</li> <li>• of cable sheath</li> </ul>                                                                                 | black<br>gray                                                                                                                                                   |
| Bending radius <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> <li>• with continuous bending</li> </ul> | 27 mm<br>63 mm<br>75 mm                                                                                                                                         |
| Number of bending cycles                                                                                                                                                                          | 5000000; For use in cable carriers, for 5 million bending cycles with a bending radius of 75 mm, an acceleration of 4 m/s <sup>2</sup> and a speed of 180 m/min |
| Tensile load / maximum                                                                                                                                                                            | 500 N                                                                                                                                                           |
| Weight per length                                                                                                                                                                                 | 149 kg/km                                                                                                                                                       |

#### connector

|                              |                |
|------------------------------|----------------|
| Type of plug interlock       | screwed        |
| Design of plug-in connection | 7/8 inch - 180 |
| Connector coding             | 7/8 inch       |

#### Permitted ambient conditions

|                                                                                                                                                                               |                                                                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|
| Ambient temperature <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul> | -40 ... +80 °C<br>-40 ... +80 °C<br>-40 ... +80 °C<br>-40 ... +80 °C |
| Burning behavior                                                                                                                                                              | Flame-resistant acc. to IEC 60332-1                                  |
| Chemical resistance <ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>                                                                   | resistant<br>resistant                                               |
| Radiological resistance / to UV radiation                                                                                                                                     | resistant                                                            |
| Protection class IP                                                                                                                                                           | IP65 / 67                                                            |

#### Product properties, functions, components / general

|                                                                                                          |           |
|----------------------------------------------------------------------------------------------------------|-----------|
| Product feature <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul> | No<br>Yes |
|----------------------------------------------------------------------------------------------------------|-----------|

#### Standards, specifications, approvals

|                               |     |
|-------------------------------|-----|
| UL/ETL listing / 300 V Rating | No  |
| UL/ETL style / 600 V Rating   | Yes |
| Certificate of suitability    |     |
| • RoHS conformity             | Yes |

#### Further Information / Internet Links

##### Internet-Link

- |                                                      |                                                                                                     |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| • to website: Selector SIMATIC NET<br>SELECTION TOOL | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| • to website: Industrial communication               | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall                          | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center        | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Image database                         | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAx Download Manager                   | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support                | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

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