

## Data sheet

6GT2891-4KH50

### Product type designation

Product description

### Cable RS232, Sub-D / M12 / M12

Highly flexible communication line (6-core)

SIMATIC RF200/RF300 plug-in cable, pre-assembled, between reader and PC (RS 232), PUR, trailing, length 5 m 24 V-side w. M12 connector



|                     |                                                       |
|---------------------|-------------------------------------------------------|
| Suitability for use | Plug-in cable for connecting an RS 232 reader to a PC |
| Cable designation   | L-YC11Y 6x1x0.25 6x24AWG CM                           |
| Wire length         | 5 m                                                   |

### Electrical data

|                                      |                                                                                               |
|--------------------------------------|-----------------------------------------------------------------------------------------------|
| Number of electrical connections     | 3                                                                                             |
| Type of electrical connection        | Sub-D (female, 9 pin, straight) / M12 (female, 8 pin, straight) / M12 (male, 4 pin, straight) |
| Loop resistance per length / maximum | 160 mΩ/m                                                                                      |
| Insulation resistance coefficient    | 20 GΩ·m                                                                                       |
| Operating voltage                    |                                                                                               |
| • maximum                            | 300 V                                                                                         |

### Mechanical data

|                            |                                                |
|----------------------------|------------------------------------------------|
| Number of electrical cores | 6                                              |
| Design of the shield       | Braided shield made of tin-plated copper wires |
| Outer diameter             |                                                |
| • of cable sheath          | 5.4 mm                                         |

|                                                                                                                                                                                                   |                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|
| Symmetrical tolerance of the outer diameter / of cable sheath                                                                                                                                     | 0.2 mm                    |
| Material <ul style="list-style-type: none"> <li>• of the wire insulation</li> <li>• of cable sheath</li> </ul>                                                                                    | PVC<br>PUR                |
| Color <ul style="list-style-type: none"> <li>• of the insulation of data wires</li> <li>• of cable sheath</li> </ul>                                                                              | DIN 47100<br>Black        |
| 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> | 21.6 mm<br>43 mm<br>75 mm |
| Number of bending cycles                                                                                                                                                                          | 3000000                   |
| Tensile load / maximum                                                                                                                                                                            | 200 N                     |
| Weight per length                                                                                                                                                                                 | 45 kg/km                  |

#### 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> | -30 ... +80 °C<br>-30 ... +80 °C<br>-30 ... +80 °C<br>-30 ... +80 °C |
| Burning behavior                                                                                                                                                              | flame resistant according to IEC 60332-1-2                           |
| 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                                                            |

#### Product features, product functions, product 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 | Yes; CM (only cable without plug) |
|-------------------------------|-----------------------------------|

#### Further information / Internet-Links

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| Internet-Link <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAX Download Manager</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a><br><br><a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> |
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- to website: Industry Online Support

<https://support.industry.siemens.com>

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