

### Product type designation

### Product description

### Cable RS422, Sub-D / M12

Highly flexible communication line (6-core)  
SIMATIC RF, MV CONNECT. CABLE, PREASSEMBLED,  
BETWEEN RF120C AND READER PUR, CMG, TRAILING,  
LENGTH 2 M



|                                      |                                                                          |
|--------------------------------------|--------------------------------------------------------------------------|
| Suitability for use                  | Plug-in cable for connecting a reader to the RF120C communication module |
| Cable designation                    | L-YC11Y 6x1x0.25 6x24AWG CMG                                             |
| Wire length                          | 2 m                                                                      |
| <b>Electrical data</b>               |                                                                          |
| Number of electrical connections     | 2                                                                        |
| Type of electrical connection        | Sub-D (male, 9 pin, 45°) / M12 (female, 8 pin, straight)                 |
| Loop resistance per length / maximum | 160 mΩ/m                                                                 |
| Insulation resistance coefficient    | 20 GΩ·m                                                                  |
| Operating voltage                    |                                                                          |
| • maximum                            | 300 V                                                                    |
| <b>Mechanical data</b>               |                                                                          |
| 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                  |

#### 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> | -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 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 | Yes; CMG |
|-------------------------------|----------|

#### 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><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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