SIEMENS

## Data sheet 6GT2891-4JH20

| | |
|---|---|
| **product type designation** | **Connecting cable RS422, M12 / M12 tilted** |
| product description | Highly flexible communication line (6-core) |
| | SIMATIC RF, MV plug-in cable, pre-assembled, between ASM 456, RF160C, RF170C, RF18XC and reader PUR, trailing, length 2 m reader connector angled. |



| | |
|---|---|
| suitability for use | Plug-in cable for connecting a reader to a communication module |
| cable designation | L-YC11Y 6x1x0.25 6x24AWG CM |
| wire length | 2 m |
| **electrical data** | |
| number of electrical connections | 2 |
| type of electrical connection | M12 (male, 8 pin, straight) / M12 (female, 8 pin, angled) |
| 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 | |
| ● of the wire insulation | PVC |
| ● of cable sheath | PUR |
| color | |
| ● of the insulation of data wires | DIN 47100 |
| ● of cable sheath | Black |
| bending radius | |
| ● with single bend / minimum permissible | 21.6 mm |
| ● with multiple bends / minimum permissible | 43 mm |
| ● with continuous bending | 75 mm |
| number of bending cycles | 3000000 |
| tensile load / maximum | 200 N |
| weight per length | 45 kg/km |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -30 ... +80 °C |
| ● during storage | -30 ... +80 °C |
| ● during transport | -30 ... +80 °C |
| ● during installation | -30 ... +80 °C |
| fire behavior | flame resistant according to IEC 60332-1-2 |
| class of burning behaviour / according to EN 13501-6 | Eca |
| chemical resistance | |


Subject to change without notice
© Copyright Siemens

| | |
|---|---|
| ● to mineral oil | resistant |
| ● to grease | resistant |
| radiological resistance / to UV radiation | resistant |
| **product features, product functions, product components / general** | |
| product feature | |
| ● halogen-free | No |
| ● silicon-free | Yes |
| **standards, specifications, approvals** | |
| UL/ETL listing / 300 V Rating | Yes; CM (only cable without plug) |
| certificate of suitability | |
| ● EAC approval | Yes |
| reference code | |
| ● according to IEC 81346-2 | WG |
| ● according to IEC 81346-2:2019 | WGB |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | https://support.industry.siemens.com/cs/ww/en/view/67384964 |
| ● to website: Industrial communication | http://www.siemens.com/ident/rfid |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

**last modified:** 8/29/2023


Subject to change without notice
© Copyright Siemens