SIEMENS

## Data sheet 6GK5980-3CB00-0AA1

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|---|---|
| **product type designation** | **IE connecting cable SFP+/SFP+, 1 m** |
| product description | preassembled 10 G IE connecting cable with two SFP-plus connectors, length 1 m |
| | IE cable SFP+/SFP+; pre-assembled IE cable with SFP-plus connectors; 1 pack=1 unit, length 1 m. |



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|---|---|
| product brand name | SIMATIC NET |
| Technical Product Detail Page | https://i.siemens.com/1P6GK5980-3CB00-0AA1 |
| cable designation | 02YS(ST)CY 2X2X0,25/0,75-100 PPIMF |
| wire length | 1 m |
| **electrical data** | |
| number of electrical connections | 2 |
| attenuation factor per length | |
| ● at 600 MHz / maximum | 1 dB/m |
| impedance | |
| ● rated value | 100 Ω |
| **mechanical data** | |
| number of electrical cores | 4 |
| design of the shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires |
| AWG number | 30 |
| outer diameter | |
| ● of cable sheath | 4.1 mm |
| material | |
| ● of cable sheath | PVC |
| color | |
| ● of cable sheath | Black |
| bending radius | |
| ● with single bend / minimum permissible | 21 mm |
| ● with multiple bends / minimum permissible | 41 mm |
| weight per length | 23 kg/km |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -25 ... +80 °C |
| ● during storage | -25 ... +80 °C |
| ● during transport | -25 ... +80 °C |
| ● during installation | 80 °C |
| ● note | Electrical properties measured at 20 °C, tests according to DIN 47250 part 4 respectively DIN VDE 0472 |
| fire behavior | flame resistant according to IEC 60332-1-2/60332-3-24 (Category C) and UL PLCC |
| protection class IP | IP20 |
| **product features, product functions, product components / general** | |
| product feature | |


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| | |
|---|---|
| ● halogen-free | No |
| ● silicon-free | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
| **security information** | |
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

## Approvals / Certificates

### General Product Approval

CE EG-Konf. | UKCA | Declaration of Conformity | EAC | China RoHS | Manufacturer Declaration

### General Product Approval

CE EG-Konf.

**last modified:** 3/10/2026


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