

## Data sheet

6GF3500-8BA21

|                                                                          |                                                                                                                                                                                                          |
|--------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product type designation                                                 | Power-IO-DATA cable MV500, open strands / M12 12-pin                                                                                                                                                     |
| product description                                                      | Communication line (12-core)<br>power IO data cable MV500 10 m For MV540 devices (MLFB: 6GF3540-0CD10,...-0GE10,... -0LE10; -0HE10) M12 12-pole socket pre-assembled on one side, bare end, length 10 m. |
| suitability for use                                                      | Plug-in cable for MV500 for wiring of 24 V, RS232 and DI/DO at the customer's end                                                                                                                        |
| cable designation                                                        | Li2YC 11Y                                                                                                                                                                                                |
| wire length                                                              | 10 m                                                                                                                                                                                                     |
| <b>electrical data</b>                                                   |                                                                                                                                                                                                          |
| number of electrical connections                                         | 2                                                                                                                                                                                                        |
| type of electrical connection                                            | Cut off / M12 (female, 12-pin, angled)                                                                                                                                                                   |
| operating voltage                                                        |                                                                                                                                                                                                          |
| • maximum                                                                | 30 V                                                                                                                                                                                                     |
| <b>mechanical data</b>                                                   |                                                                                                                                                                                                          |
| number of electrical cores                                               | 12                                                                                                                                                                                                       |
| design of the shield                                                     | Braided shield made of tin-plated copper wires                                                                                                                                                           |
| outer diameter                                                           |                                                                                                                                                                                                          |
| • of cable sheath                                                        | 7.8 mm                                                                                                                                                                                                   |
| symmetrical tolerance of the outer diameter / of cable sheath            | 0.2 mm                                                                                                                                                                                                   |
| material                                                                 |                                                                                                                                                                                                          |
| • of the wire insulation                                                 | polyethylene (PE)                                                                                                                                                                                        |
| • of cable sheath                                                        | PUR                                                                                                                                                                                                      |
| color                                                                    |                                                                                                                                                                                                          |
| • of the insulation of data wires                                        | DIN 47100                                                                                                                                                                                                |
| • of cable sheath                                                        | Black                                                                                                                                                                                                    |
| <b>ambient conditions</b>                                                |                                                                                                                                                                                                          |
| ambient temperature                                                      |                                                                                                                                                                                                          |
| • during operation                                                       | -25 ... +70 °C                                                                                                                                                                                           |
| • during storage                                                         | -25 ... +70 °C                                                                                                                                                                                           |
| • during transport                                                       | -25 ... +70 °C                                                                                                                                                                                           |
| • during installation                                                    | -5 ... +70 °C                                                                                                                                                                                            |
| fire behavior                                                            | not specified                                                                                                                                                                                            |
| <b>product features, product functions, product components / general</b> |                                                                                                                                                                                                          |
| product feature                                                          |                                                                                                                                                                                                          |
| • halogen-free                                                           | Yes                                                                                                                                                                                                      |
| <b>standards, specifications, approvals</b>                              |                                                                                                                                                                                                          |
| UL/ETL listing / 300 V Rating                                            | No                                                                                                                                                                                                       |
| reference code                                                           |                                                                                                                                                                                                          |
| • according to IEC 81346-2                                               | WG                                                                                                                                                                                                       |
| • according to IEC 81346-2:2019                                          | WGB                                                                                                                                                                                                      |
| <b>further information / internet links</b>                              |                                                                                                                                                                                                          |
| internet link                                                            |                                                                                                                                                                                                          |
| • to web page: selection aid TIA Selection Tool                          | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>                                                                    |
| • to website: Industrial communication                                   | <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</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>                                                                                                                  |
| last modified:                                                           | 12/31/2021                                                                                                            |