

| Product-type designation                                                                                |                                                                             |
|---------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|
| PCF Standard Cable GP                                                                                   |                                                                             |
| SIMATIC NET PCF STANDARD CABLE, PREASSEMBLED WITH 2X2 SIMPLEX CONNECTORS, INSERTION GUIDE, LENGTH 100 M |                                                                             |
|                       |                                                                             |
| Product description                                                                                     | PCF fiber-optic cable with plastic cladding, preferred length, preassembled |
| Cable designation                                                                                       | AT-V(ZN)YY 2K 200/230                                                       |
| Cable length                                                                                            | 100 m                                                                       |
| Optical data                                                                                            |                                                                             |
| Damping ratio per length                                                                                |                                                                             |
| • at 650 nm / maximum                                                                                   | 10 dB/km                                                                    |
| • at 660 nm / maximum                                                                                   | 10 dB/km                                                                    |
| Bandwidth length product                                                                                |                                                                             |
| • at 650 nm                                                                                             | 17 GHz·m                                                                    |
| Mechanical data                                                                                         |                                                                             |
| Number of fibers / per FOC core                                                                         | 1                                                                           |
| Number of FOC cores / per FOC cable                                                                     | 2                                                                           |
| Version of the FO conductor fiber                                                                       | Step index fiber 200/230 µm                                                 |
| Outer diameter                                                                                          |                                                                             |
| • of optical fibers                                                                                     | 200 µm                                                                      |
| • of the optical fiber sheath                                                                           | 230 µm                                                                      |
| • of the FOC core sheath                                                                                | 2.2 mm                                                                      |
| Symmetrical deviation / of the outer diameter of the FOC core sheath                                    | 0.1 mm                                                                      |
| Outer diameter / of the cable                                                                           | 7.2 mm                                                                      |

|                                                            |                                                                                                                    |
|------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Symmetrical deviation / of the outer diameter of the line  | 0.5 mm                                                                                                             |
| Material                                                   |                                                                                                                    |
| • of the FOC core sheath                                   | PVC                                                                                                                |
| • of the fiber-optic cable sheath                          | PVC                                                                                                                |
| Color                                                      |                                                                                                                    |
| • of the cable sheath                                      | green                                                                                                              |
| Bending radius                                             |                                                                                                                    |
| • with single bend / minimum permissible                   | 70 mm                                                                                                              |
| • with multiple bends / minimum permissible                | 105 mm                                                                                                             |
| Traction stress / maximum                                  | 100 N                                                                                                              |
| Short-term shear force per length                          | 500 N/cm                                                                                                           |
| Continuous lateral force per length                        | 300 N/cm                                                                                                           |
| Weight per length                                          | 45 kg/km                                                                                                           |
| <b>Permitted ambient conditions</b>                        |                                                                                                                    |
| Ambient temperature                                        |                                                                                                                    |
| • during operating                                         | -25 ... +75 °C                                                                                                     |
| • during storage                                           | -25 ... +75 °C                                                                                                     |
| • during transport                                         | -25 ... +75 °C                                                                                                     |
| • during installation                                      | -5 ... +50 °C                                                                                                      |
| Protection class IP                                        | IP20                                                                                                               |
| Chemical resistance                                        |                                                                                                                    |
| • to mineral oil                                           | Conditional resistance                                                                                             |
| • to grease                                                | Conditional resistance                                                                                             |
| <b>Product properties, functions, components / general</b> |                                                                                                                    |
| Product feature                                            |                                                                                                                    |
| • halogen-free                                             | No                                                                                                                 |
| • silicon-free                                             | Yes                                                                                                                |
| Product component / Rodent protection                      | No                                                                                                                 |
| Cable length                                               |                                                                                                                    |
| • for PCF FOC / for Industrial Ethernet / maximum          | 100 m                                                                                                              |
| • for PCF FOC / for PROFIBUS / maximum                     | 400 m                                                                                                              |
| <b>Standards, specifications, approvals</b>                |                                                                                                                    |
| Verification of suitability                                | UL approval: OFN (NEC Article 770, UL 1651) / CSA approval: OFN 90 °C, FT1, FT4 (CSA standard C22.2 No. 232-M1988) |
| • RoHS conformity                                          | Yes                                                                                                                |
| <b>letzte Änderung:</b>                                    | Aug 6, 2014                                                                                                        |