

| Product-type designation                                                          | FO Trailing Cable                                                                                              |
|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|
|  | <p>SIMATIC NET FO TRAILING CABLE 50/125, PREASSEMBLED WITH 2X2 SC CONNECTORS, INSERTION GUIDE, LENGTH 50 M</p> |
| Product description                                                               | Glass fiber-optic cable, preferred length, preassembled                                                        |
| Cable designation                                                                 | AT-W(ZN)Y(ZN)11Y 2G 50/125                                                                                     |
| Cable length                                                                      | 50 m                                                                                                           |
| Optical data                                                                      |                                                                                                                |
| Damping ratio per length                                                          |                                                                                                                |
| <ul style="list-style-type: none"> <li>• at 850 nm / maximum</li> </ul>           | 2.7 dB/km                                                                                                      |
| <ul style="list-style-type: none"> <li>• at 1300 nm / maximum</li> </ul>          | 0.7 dB/km                                                                                                      |
| Bandwidth length product                                                          |                                                                                                                |
| <ul style="list-style-type: none"> <li>• at 850 nm</li> </ul>                     | 600 GHz·m                                                                                                      |
| <ul style="list-style-type: none"> <li>• at 1300 nm</li> </ul>                    | 1200 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                                                 | Multi-mode gradient fiber 50/125 µm, OM 2                                                                      |
| Design of the fiber-optic cable                                                   | Segmentable                                                                                                    |
| Outer diameter                                                                    |                                                                                                                |
| <ul style="list-style-type: none"> <li>• of optical fibers</li> </ul>             | 50 µm                                                                                                          |
| <ul style="list-style-type: none"> <li>• of the optical fiber sheath</li> </ul>   | 125 µm                                                                                                         |
| <ul style="list-style-type: none"> <li>• of the FOC core sheath</li> </ul>        | 2.9 mm                                                                                                         |
| Symmetrical deviation / of the outer diameter of the FOC core sheath              | 0.1 mm                                                                                                         |

|                                                            |                |
|------------------------------------------------------------|----------------|
| Outer diameter / of the cable                              | 10.5 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                          | PUR            |
| Color                                                      |                |
| • of the cable sheath                                      | green          |
| Bending radius                                             |                |
| • with single bend / minimum permissible                   | 150 mm         |
| • with multiple bends / minimum permissible                | 200 mm         |
| Number of bending cycles                                   | 5000000        |
| Traction stress / maximum                                  | 800 N          |
| Short-term shear force per length                          | 700 N/cm       |
| Continuous lateral force per length                        | 400 N/cm       |
| Weight per length                                          | 90 kg/km       |
| <b>Permitted ambient conditions</b>                        |                |
| Ambient temperature                                        |                |
| • during operating                                         | -40 ... +80 °C |
| • during storage                                           | -40 ... +80 °C |
| • during transport                                         | -40 ... +80 °C |
| • during installation                                      | -5 ... +50 °C  |
| Protection class IP                                        | IP20           |
| Chemical resistance                                        |                |
| • to grease                                                | resistant      |
| <b>Product properties, functions, components / general</b> |                |
| Product feature                                            |                |
| • halogen-free                                             | No             |
| • silicon-free                                             | Yes            |
| Product component / Rodent protection                      | No             |
| Cable length                                               |                |
| • for glass FOC                                            |                |
| • for 100BaseFX / for Industrial Ethernet / maximum        | 5000 m         |
| • for 1000BaseSX / for Industrial Ethernet / maximum       | 750 m          |
| • for 1000BaseLX / for Industrial Ethernet / maximum       | 2000 m         |
| • for glass FOC / for PROFIBUS / maximum                   | 3000 m         |
| <b>Standards, specifications, approvals</b>                |                |
| Verification of suitability                                |                |
| • RoHS conformity                                          | Yes            |
| <b>letzte Änderung:</b>                                    | Aug 6, 2014    |