

### Product type designation

Product description

### Fiber optic standard cable

Flexible glass fiber-optic cable, preferred length, preassembled  
Fiber-optic cable (62.5/125), standard cable, splittable, pre-  
assembled with 4 BFOC connectors, Length 200 m



|                                   |   |
|-----------------------------------|---|
| Suitability for use               | Cable for installation indoors and outdoors |
| Version of the assembled FO cable | Assembled with four BFOC connectors         |
| Cable designation                 | AT-V(ZN)YY 2X1 G 62,5/125 OM1               |
| Wire length                       | 200 m                                       |

### Optical data

|   |                                   |
|---|-----------------------------------|
| Damping ratio per length  |                                   |
| <ul style="list-style-type: none"> <li>at 850 nm / maximum</li> <li>at 1300 nm / maximum</li> </ul> | <p>3.1 dB/km</p> <p>0.8 dB/km</p> |
| Bandwidth length product  |                                   |
| <ul style="list-style-type: none"> <li>at 850 nm</li> <li>at 1300 nm</li> </ul>                     | <p>200 GHz·m</p> <p>600 GHz·m</p> |

### Mechanical data

|                                    |  |
|------------------------------------|--|
| Number of fibers / per FOC core    | 1  |
| Number of FO cores / per FOC cable | 2  |
| Version of the FO conductor fiber  | Multimode graded-index fiber 62.5/125 µm, OM 1 |
| Design of the FOC core             | Compact core, diameter 900 µm                  |
| Design of the fiber-optic cable    | Segmentable outer conductor                    |

|   |  |
|---|--|
| Outer diameter  |  |
| <ul style="list-style-type: none"> <li>• of the optical fibers</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> </ul>  | 62.5 µm<br>125 µm<br>3.5 mm  |
| Width / of cable sheath   | 9.8 mm   |
| Thickness / of cable sheath   | 6.3 mm   |
| Material  |  |
| <ul style="list-style-type: none"> <li>• of the fiber-optic cable core</li> <li>• of the optical fiber sheath</li> <li>• of the FOC core sheath</li> <li>• of the fiber-optic cable sheath</li> <li>• of the strain relief</li> </ul> | Quartz glass<br>Quartz glass<br>PVC<br>PVC<br>Aramid fibers and glass roving |
| Color   |  |
| <ul style="list-style-type: none"> <li>• of the FOC core sheath</li> <li>• of cable sheath</li> </ul>   | gray<br>Black  |
| Bending radius  |  |
| <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>   | 80 mm<br>80 mm   |
| Tensile load  |  |
| <ul style="list-style-type: none"> <li>• during installation / short-term</li> <li>• during operation / maximum</li> </ul>  | 1500 N<br>1500 N   |
| Continuous lateral force per length   | 150 N/cm   |
| Weight per length   | 70 kg/km   |

#### Ambient conditions

|   |   |
|---|---|
| Ambient temperature   |   |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul> | -40 ... +85 °C<br>-40 ... +85 °C<br>-40 ... +85 °C<br>-5 ... +50 °C |
| Burning behavior  | flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)   |
| Chemical resistance   |   |
| <ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>   | not resistant<br>not resistant                                      |
| Radiological resistance / to UV radiation   | resistant   |
| Protection class IP   | IP20  |

#### Product features, product functions, product components / general

|  |           |
|--|-----------|
| Product feature  |           |
| <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul> | No<br>Yes |
| Product component / Rodent protection  | No        |

|  |        |
|--|--------|
| Wire length  |        |
| <ul style="list-style-type: none"> <li>• for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum</li> </ul>  | 4000 m |
| <ul style="list-style-type: none"> <li>• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> </ul> | 350 m  |
| <ul style="list-style-type: none"> <li>• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> </ul> | 550 m  |
| <ul style="list-style-type: none"> <li>• for glass FOC / with PROFIBUS / maximum</li> </ul>                            | 3000 m |

### Standards, specifications, approvals

|   |     |
|---|-----|
| Certificate of suitability  |     |
| <ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul> | Yes |

### Further information / Internet-Links

|   |   |
|---|---|
| Internet-Link   |   |
| <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| <ul style="list-style-type: none"> <li>• to website: Industrial communication</li> </ul>            | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Mall</li> </ul>                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| <ul style="list-style-type: none"> <li>• to website: Information and Download Center</li> </ul>     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| <ul style="list-style-type: none"> <li>• to website: Image database</li> </ul>                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| <ul style="list-style-type: none"> <li>• to website: CAx Download Manager</li> </ul>                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| <ul style="list-style-type: none"> <li>• to website: Industry Online Support</li> </ul>             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

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