

### Product type designation

Product description

### Fiber optic standard cable

Flexible glass fiber-optic cable, preferred length, preassembled SIMATIC NET, FIBER OPTIC CABLE (62.5/125)STANDARD CABLE, SPLITTABLE PREASSEMBLED WITH 4 BFOC CONNECTORS, LENGTH: 250 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
Cable length	250 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>	<p>62.5 μm</p> <p>125 μm</p> <p>3.5 mm</p>
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 Quartz glass PVC PVC 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 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 80 mm
Tensile load / during operation / maximum	1500 N
Continuous lateral force per length	150 N/cm
Weight per length	70 kg/km

### Permitted 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 -40 ... +85 °C -40 ... +85 °C -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 not resistant
Radiological resistance / to UV radiation	resistant
Protection class IP	IP20

### Product properties, functions, components / general

Product property	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No Yes
Product component / Rodent protection	No
Cable length	
<ul style="list-style-type: none"> <li>• for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum</li> <li>• for glass FOC / with PROFIBUS / maximum</li> </ul>	4000 m 350 m 550 m 3000 m

## Standards, specifications, approvals

### Certificate of suitability

- RoHS conformity

Yes

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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