

Data sheet

6XV1843-5FH10-0AB0

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| Product description | Singlemode glass fiber-optic cable, preassembled SM FO Cord BFOC/LC; 9/125, preassembled with 1 x LC Duplex plug and 2 x BFOC/ST plugs length 1.0m |
| Suitability for use | Cable for applications in the control cabinet |
| Cable designation | I-V(ZN)H 2E9/125 G.652D |
| Wire length | 1 m |

Optical data

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| Damping ratio per length | |
| <ul style="list-style-type: none"> at 1300 nm / maximum | 0.4 dB/km |
| <ul style="list-style-type: none"> at 1550 nm / maximum | 0.3 dB/km |

Mechanical data

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|--|---------------------------------|
| Number of fibers / per FOC core | 1 |
| Number of FO cores / per FOC cable | 2 |
| Version of the FO conductor fiber | Singlemode glass fiber 9/125 µm |
| Design of the FOC core | Fixed core |
| Outer diameter | |
| <ul style="list-style-type: none"> of the optical fibers | 9 µm |
| <ul style="list-style-type: none"> of the optical fiber sheath | 125 µm |
| <ul style="list-style-type: none"> of the FOC core sheath | 2.8 mm |
| Width / of cable sheath | 5.9 mm |
| Thickness / of cable sheath | 2.8 mm |
| Material | |
| <ul style="list-style-type: none"> of the fiber-optic cable core | Quartz glass |
| <ul style="list-style-type: none"> of the optical fiber sheath | Quartz glass |
| <ul style="list-style-type: none"> of the FOC core sheath | FR-LSZH |
| <ul style="list-style-type: none"> of the fiber-optic cable sheath | LSZH |
| <ul style="list-style-type: none"> of the strain relief | Aramid fibers |
| Color | |
| <ul style="list-style-type: none"> of the FOC core sheath | green/green |
| Bending radius | |
| <ul style="list-style-type: none"> with single bend / minimum permissible | 42 mm |
| Tensile load | |
| <ul style="list-style-type: none"> during installation / short-term | 500 N |
| <ul style="list-style-type: none"> during operation / maximum | 500 N |
| Continuous lateral force per length | 100 N/cm |
| Weight per length | 19 kg/km |

Permitted ambient conditions

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|---|---|
| Ambient temperature | |
| <ul style="list-style-type: none"> during operation during storage during transport during installation | <p>-20 ... +70 °C</p> <p>-25 ... +70 °C</p> <p>-25 ... +70 °C</p> <p>-10 ... +70 °C</p> |
| Burning behavior | flame-resistant acc. to IEC 60332-3-22 (Cat. A) |
| Protection class IP | IP20 |

Product properties, functions, components / general

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

Standards, specifications, approvals

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

Further Information / Internet Links

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| Internet-Link | |
| <ul style="list-style-type: none"> 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 | <p>http://www.siemens.com/snst</p> <p>http://www.siemens.com/simatic-net</p> <p>https://mall.industry.siemens.com</p> <p>http://www.siemens.com/industry/infocenter</p> <p>http://automation.siemens.com/bilddb</p> <p>http://www.siemens.com/cax</p> <p>https://support.industry.siemens.com</p> |

last modified: 09/12/2017