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## Data sheet 6XV1843-5EH20-0AB0

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| **product type designation** | **MM FO cord ST(BFOC)/LC, 50/125** |
| product description | Multimode glass fiber-optic cable, preassembled |
| | MM FO cord BFOC/LC; 50/125; pre-assembled with 1x LC duplex plug and 2x BFOC plugs; length 2.0 m. |

Figure similar

| | |
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| suitability for use | Cable for applications in the control cabinet |
| version of the assembled FO cable | Pre-assembled with 1x LC DUPLEX connector and 2x BFOC connector |
| cable designation | I-V(ZN)H 2x50/125 OM4 |
| wire length | 2 m |
| **optical data** | |
| attenuation factor per length | |
| ● at 650 nm / maximum | 5 dB/km |
| ● at 850 nm / maximum | 3.5 dB/km |
| ● at 1300 nm / maximum | 1.5 dB/km |
| bandwidth length product | |
| ● at 850 nm | 500 GHz·m |
| ● at 1300 nm | 1300 GHz·m |
| **mechanical data** | |
| number of fibers / per FOC core | 1 |
| number of FO cores / per FOC cable | 2 |
| version of the FO conductor fiber | Multi-mode gradient fiber 50/125 µm, OM 4 |
| design of the FOC core | Fixed core |
| outer diameter | |
| ● of the optical fibers | 50 µm |
| ● of the optical fiber sheath | 125 µm |
| ● of the FOC core sheath | 2.8 mm |
| width / of cable sheath | 5.9 mm |
| thickness / of cable sheath | 2.8 mm |
| material | |
| ● of the fiber-optic cable core | Quartz glass |
| ● of the optical fiber sheath | Quartz glass |
| ● of the FOC core sheath | FR-LSZH |
| ● of the fiber-optic cable sheath | LSZH |
| ● of the strain relief | Aramid fibers |
| color | |
| ● of the FOC core sheath | green/green |
| bending radius | |
| ● with single bend / minimum permissible | 42 mm |
| tensile load | |
| ● during installation / short-term | 500 N |
| ● during operation / maximum | 500 N |
| continuous shear force per length | 100 N/cm |


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| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -30 ... +70 °C |
| ● during storage | -30 ... +70 °C |
| ● during transport | -30 ... +70 °C |
| ● during installation | -5 ... +50 °C |
| fire behavior | flame-resistant acc. to IEC 60332-3-22 (Cat. A) |
| protection class IP | IP20 |
| **product features, product functions, product components / general** | |
| product feature | |
| ● halogen-free | Yes |
| ● silicon-free | Yes |
| product component / rodent protection | No |
| **standards, specifications, approvals** | |
| certificate of suitability | |
| ● RoHS conformity | Yes |
| reference code | |
| ● according to IEC 81346-2 | WH |
| ● according to IEC 81346-2:2019 | WHA |
| **further information / internet links** | |
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to website: Industrial communication | https://www.siemens.com/simatic-net |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |
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