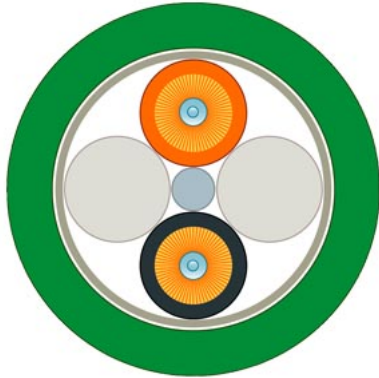


product type designation

product description



PCF Standard Cable GP

PCF fiber-optic cable with plastic cladding, preferred length, preassembled

PCF Standard Cable, pre-assembled with 2x2 BFOC plugs, insertion aid, length 250 m.

| | |
|--|--|
| suitability for use | Cable for permanent installation indoors and outdoors, UL approval |
| version of the assembled FO cable | Assembled with four BFOC connectors |
| cable designation | AT-V(ZN)YY 2K 200/230 |
| wire length | 250 m |
| optical data | |
| attenuation factor per length | |
| • at 650 nm / maximum | 10 dB/km |
| • at 660 nm / maximum | 10 dB/km |
| bandwidth length product | |
| • at 650 nm | 17 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 | Step index fiber 200/230 μm |
| outer diameter | |
| • of the optical fibers | 200 μm |
| • of the optical fiber sheath | 230 μm |
| • of the FOC core sheath | 2.2 mm |
| symmetrical deviation / of the outer diameter of the FOC core sheath | 0.1 mm |
| outer diameter / of the cable | 7.2 mm |
| symmetrical deviation / of the outer diameter of the line | 0.5 mm |
| material | |
| • of the fiber-optic cable core | Quartz glass |
| • of the optical fiber sheath | Special polymer |
| • of the FOC core sheath | PVC |
| • of the fiber-optic cable sheath | PVC |
| • of the strain relief | Aramid fibers |
| color | |
| • of the FOC core sheath | orange/black |
| • of cable sheath | green |
| bending radius | |
| • with single bend / minimum permissible | 70 mm |
| • with multiple bends / minimum permissible | 105 mm |
| tensile load | |
| • during installation / short-term | 800 N |
| • during operation / maximum | 100 N |
| short-term shear force per length | 500 N/cm |

| | |
|--|---|
| continuous shear force per length | 300 N/cm |
| weight per length | 45 kg/km |
| ambient conditions | |
| ambient temperature | |
| • during operation | -40 ... +85 °C |
| • during storage | -25 ... +75 °C |
| • during transport | -25 ... +75 °C |
| • during installation | -5 ... +50 °C |
| fire behavior | flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A) |
| chemical resistance | |
| • to mineral oil | conditional resistance |
| • to grease | conditional resistance |
| radiological resistance / to UV radiation | resistant |
| protection class IP | IP20 |
| product features, product functions, product components / general | |
| product feature | |
| • halogen-free | No |
| • silicon-free | Yes |
| product component / rodent protection | No |
| wire length | |
| • for PCF FOC / for Industrial Ethernet / maximum | 100 m |
| • for PCF FOC / with PROFIBUS / maximum | 400 m |
| standards, specifications, approvals | |
| certificate of suitability | |
| • UL approval | Yes; UL approval: OFN (NEC Article 770, UL 1651) / CSA approval: OFN 90 °C, FT1, FT4 (CSA standard C22.2 No. 232-M1988) |
| • 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 web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| • to website: Selection guide for cables and connectors | https://sie.ag/2QdlxcP |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx-Download-Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

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