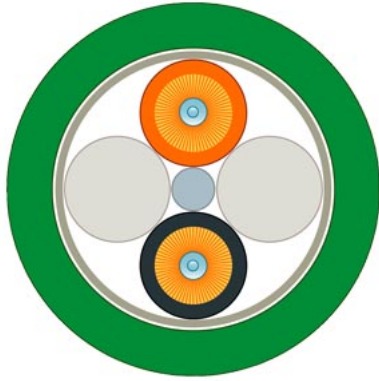


product type designation

product description



FC FO standard cable GP

Glass fiber-optic cable for assembly in the field, sold by the meter, unassembled

FC FO Standard Cable (62.5/200/230), Standard cable splittable, UL- approval, max. length 1000 m minimum order quantity 20 m sold by the meter

Technical Product Detail Page

<https://l.siemens.com/1P6XV1847-2A>

suitability for use

Cable for permanent installation in cable channels and pipes, UL approval

version of the assembled FO cable

sold by the meter

cable designation

AT-V(ZN)YY 2GK 62,5/200/230 OM1

optical data

attenuation factor per length

- at 850 nm / maximum 3.2 dB/km
- at 1300 nm / maximum 0.9 dB/km

bandwidth length product

- at 850 nm 200 GHz·m
- at 1300 nm 500 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 62.5/200/230 µm

design of the FOC core

Fixed core

design of the fiber-optic cable

Segmentable cable

outer diameter

- of the optical fibers 62.5 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 ETFE
- 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	49 kg/km
ambient conditions	
ambient temperature	
• during operation	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• during installation	-5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h
• to grease	conditional resistance
• to water	conditional resistance
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes
product component / rodent protection	No
wire length	
• for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum	3000 m
• for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum	350 m
• for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum	550 m
• for glass FOC / with PROFIBUS / maximum	3000 m
standards, specifications, approvals	
certificate of suitability	
• UL approval	Yes; UL OFN
• RoHS conformity	Yes
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
security information / header	
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