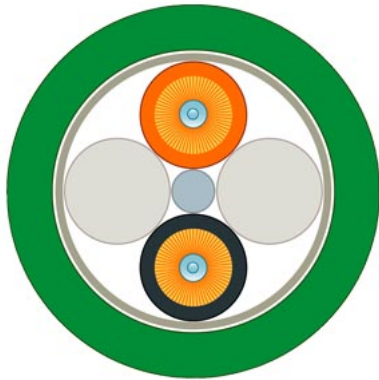


product type designation

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

product brand name	SIMATIC NET
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

<ul style="list-style-type: none"> with multiple bends / minimum permissible 	105 mm
tensile load	
<ul style="list-style-type: none"> during installation / short-term 	800 N
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> during operation 	-40 ... +85 °C
<ul style="list-style-type: none"> during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> during transport 	-40 ... +85 °C
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> to mineral oil 	acc. to IEC 60811-404 with test oil IRM 902 (acc. to ISO 1817), +70 °C, 4 h
<ul style="list-style-type: none"> to grease 	conditional resistance
<ul style="list-style-type: none"> to water 	conditional resistance
radiological resistance / to UV radiation	resistant
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> halogen-free 	No
<ul style="list-style-type: none"> silicon-free 	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum 	3000 m
<ul style="list-style-type: none"> for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum 	350 m
<ul style="list-style-type: none"> for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum 	550 m
<ul style="list-style-type: none"> for glass FOC / with PROFIBUS / maximum 	3000 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> UL approval 	Yes; UL OFN
<ul style="list-style-type: none"> RoHS conformity 	Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> to website: Industrial communication 	https://www.siemens.com/simatic-net
<ul style="list-style-type: none"> to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com
security information / header	
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase</p>

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Approvals / Certificates

General Product Approval



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[Declaration of Conformity](#)

[Fire safety / Physical security](#)



General Product Approval

Environment

Industrial Communication

[China RoHS](#)

[Declaration of Conformity](#)

[Environmental Conformations](#)

[Environmental Conformations](#)

[PROFINET](#)

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