

Product type designation

Product description

FC FO standard cable GP

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

SIMATIC NET FC FO STANDARD CABLE (62.5/200/230),

STANDARD- CABLE SPLITTABLE, UL- CERTIFICATION,MAX.

LENGTH 1000M MINIMAL ORDER: 20 M SOLD BY THE METER



Suitability for use	Cable for permanent installation in cable channels and pipes, UL approval
Version of the assembled FO cable	For assembly with four BFOC or SC connectors
Cable designation	AT-V(ZN)YY 2GK 62.5/200/230
Optical data	
Damping ratio per length	
• at 650 nm / maximum	160 dB/km
• 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 • of the optical fiber sheath • of the FOC core sheath	62.5 µm 230 µm 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 • of the optical fiber sheath • of the FOC core sheath • of the fiber-optic cable sheath • of the strain relief	Quartz glass ETFE PVC PVC Aramid fibers
Color • of the FOC core sheath • of cable sheath	orange/black green
Bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible	70 mm 105 mm
Tensile load • during installation / short-term • during operation / maximum	800 N 100 N
Short-term shear force per length	500 N/cm
Continuous lateral force per length	300 N/cm
Weight per length	49 kg/km

Permitted ambient conditions

Ambient temperature • during operation • during storage • during transport • during installation	-40 ... +85 °C -40 ... +85 °C -40 ... +85 °C -5 ... +50 °C
Burning behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
Chemical resistance • to grease • to water	conditional resistance conditional resistance
Radiological resistance / to UV radiation	resistant

Product properties, functions, 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	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• 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: 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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