

Product-type designation	FC FO standard cable GP
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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

Product description	Glass fiber-optic cable for assembly in the field, sold by the meter, unassembled
Cable designation	AT-V(ZN)YY 2GK 62.5/200/230

Optical data

Damping ratio per length	
<ul style="list-style-type: none"> • at 650 nm / maximum • at 850 nm / maximum • at 1300 nm / maximum 	<p>160 dB/km</p> <p>3.2 dB/km</p> <p>0.9 dB/km</p>
Bandwidth length product	
<ul style="list-style-type: none"> • at 850 nm • at 1300 nm 	<p>200 GHz·m</p> <p>500 GHz·m</p>

Mechanical data

Number of fibers / per FOC core	1
Number of FOC cores / per FOC cable	2
Version of the FO conductor fiber	Multi-mode gradient fiber 62.5/200/230 μm
Design of the fiber-optic cable	Segmentable cable
Outer diameter	
<ul style="list-style-type: none"> • of optical fibers • of the optical fiber sheath • of the FOC core sheath 	<p>62.5 μm</p> <p>230 μm</p> <p>2.2 mm</p>

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 FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	green
Bending radius	
• with single bend / minimum permissible	70 mm
• with multiple bends / minimum permissible	105 mm
Traction stress / maximum	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 operating	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• during installation	-5 ... +50 °C
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
• to water	Conditional resistance

Product properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable length	
• for glass FOC	
• for 100BaseFX / for Industrial Ethernet / maximum	3000 m
• for 1000BaseSX / for Industrial Ethernet / maximum	350 m
• for 1000BaseLX / for Industrial Ethernet / maximum	550 m
• for glass FOC / for PROFIBUS / maximum	3000 m

Standards, specifications, approvals

Verification of suitability	
• RoHS conformity	Yes

letzte Änderung:

Jun 9, 2014