

Product-type designation **PCF Standard Cable GP**



SIMATIC NET PCF STANDARD CABLE, (200/230), STANDARD CABLE, SPLITTABLE, UL APPROVED, W/O CONNECTORS, SOLD BY THE METER, MIN. ORDER LENGTH: 20M, MAX. LENGTH: 2000M

Product description	PCF fiber-optic cable with plastic cladding, sold by the meter, unassembled
Cable designation	AT-V(ZN)YY 2K 200/230

Optical data

Damping ratio per length	
<ul style="list-style-type: none"> • at 650 nm / maximum • at 660 nm / maximum 	<p>10 dB/km</p> <p>10 dB/km</p>
Bandwidth length product	
<ul style="list-style-type: none"> • at 650 nm 	17 GHz·m

Mechanical data

Number of fibers / per FOC core	1
Number of FOC cores / per FOC cable	2
Version of the FO conductor fiber	Step index fiber 200/230 μm
Outer diameter	
<ul style="list-style-type: none"> • of optical fibers • of the optical fiber sheath • of the FOC core sheath 	<p>200 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	
<ul style="list-style-type: none"> • of the FOC core sheath 	PVC
<ul style="list-style-type: none"> • of the fiber-optic cable sheath 	PVC
Color	
<ul style="list-style-type: none"> • of the cable sheath 	green
Bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible 	70 mm
<ul style="list-style-type: none"> • 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	45 kg/km
Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • during operating 	-40 ... +90 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +90 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +90 °C
<ul style="list-style-type: none"> • during installation 	-5 ... +50 °C
Chemical resistance	
<ul style="list-style-type: none"> • to mineral oil 	Conditional resistance
<ul style="list-style-type: none"> • to grease 	Conditional resistance
<ul style="list-style-type: none"> • to water 	Conditional resistance
Product properties, functions, 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
Cable length	
<ul style="list-style-type: none"> • for PCF FOC / for Industrial Ethernet / maximum 	100 m
<ul style="list-style-type: none"> • for PCF FOC / for PROFIBUS / maximum 	400 m
Standards, specifications, approvals	
Verification of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
letzte Änderung:	Aug 6, 2014