

Product type designation

Product description

PCF Standard Cable GP

PCF fiber-optic cable with plastic cladding, sold by the meter, unassembled

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



Suitability for use	Cable for permanent installation indoors and outdoors, UL approval
Version of the assembled FO cable	For assembly with SC RJ, SC RJ Plug PRO, BFOC and Simplex connectors
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 	10 dB/km
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 FO 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 the optical fibers of the optical fiber sheath of the FOC core sheath 	200 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 <ul style="list-style-type: none"> • 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 Special polymer PVC PVC Aramid fibers
Color <ul style="list-style-type: none"> • of the FOC core sheath • of cable sheath 	Orange/black green
Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	70 mm 105 mm
Tensile load / during operation / 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 operation • during storage • during transport • during installation 	-40 ... +90 °C -40 ... +90 °C -40 ... +90 °C -5 ... +50 °C
Burning behavior	Flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
Chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease • to water 	Conditional resistance Conditional resistance Conditional resistance
Radiological resistance / to UV radiation	resistant

Product properties, functions, components / general

Product property <ul style="list-style-type: none"> • halogen-free • silicon-free 	No Yes
Product component / Rodent protection	No
Cable length <ul style="list-style-type: none"> • for PCF FOC / for Industrial Ethernet / maximum • for PCF FOC / with PROFIBUS / maximum 	100 m 400 m

Standards, specifications, approvals

Certificate of suitability

- RoHS conformity

UL approval: cULus OFN (NEC Article 770, UL 1651) / CSA approval: OFN 90 Cel, FT1, FT4 (CSA-Standard C22.2 No232-M1988)

Yes

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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