

Product type designation

Product description

PCF Trailing Cable

PCF fiber-optic cable with plastic cladding, preferred length, preassembled

SIMATIC NET PCF TRAILING CABLE, PREASSEMBLE WITH 2X2 BFOC CONNECTORS, INSERTION GUIDE, LENGTH 100 M



Suitability for use	Cable for applications with high mechanical loading, and motion (e.g. trailing cables), no UL approval
Version of the assembled FO cable	Assembled with four BFOC connectors
Cable designation	AT-V(ZN)Y(ZN)11Y 2K 200/230
Cable length	100 m

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	8.8 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 PUR 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 	130 mm 175 mm
Number of bending cycles	5000000
Tensile load / during operation / maximum	800 N
Short-term shear force per length	500 N/cm
Continuous lateral force per length	300 N/cm
Weight per length	85 kg/km

Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-25 ... +75 °C -30 ... +75 °C -30 ... +75 °C -5 ... +50 °C
Burning behavior	Flame-retardant
Chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease 	resistant resistant
Radiological resistance / to UV radiation	resistant
Protection class IP	IP20

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

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>

last modified:

16.03.2015