SIEMENS

Data sheet 6XV1821-0BN80

product type designation

product description

suitability for use



Cable for indoor applications

Fiber-optic cable with polyoptical fiber, preferred length, preassembled

PROFIBUS Plastic Fiber Optic, Standard cable with 4 BFOC connectors, length 80 m.



Suitability for asc	Cable for indoor applications
version of the assembled FO cable	Assembled with four BFOC connectors
cable designation	I-V4Y(ZN)Y 2P 980/1000
wire length	80 m
optical data	
attenuation factor per length	
• at 650 nm / maximum	160 dB/km
• at 660 nm / maximum	230 dB/km
bandwidth length product	
• at 650 nm	1 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 980/1000 µm
outer diameter	
 of the optical fibers 	980 μm
 of the optical fiber sheath 	1000 μm
of the FOC core sheath	2.2 mm
symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
outer diameter / of the cable	7.8 mm
symmetrical deviation / of the outer diameter of the line	0.3 mm
material	
 of the fiber-optic cable core 	Polymethylmethacrylate (PMMA)
 of the optical fiber sheath 	Fluoridated special polymer
 of the FOC core sheath 	PA
 of the fiber-optic cable sheath 	PVC
of the strain relief	Kevlar fibers
color	
 of the FOC core sheath 	orange/black
of cable sheath	Violet
bending radius	
with single bend / minimum permissible	100 mm
with multiple bends / minimum permissible	150 mm
tensile load	
during installation / short-term	100 N
 during operation / maximum 	100 N

weight per length ambient conditions ambient temperature during storage during installation fire behavior chemical resistance to mineral oil to grease radiological resistance / to UV radiation product feature, product functions, product components / general product features, product functions, product components / general product resistance halogen-free silicon-free product component / rodent protection wire length for POF POC / with PROFIBUS / maximum standards, specifications, approvals certificate of suitability ULL approval RoHS conformity reference code according to IEC 81346-22 be website: Industry Mall to website: Industry Mall to website: Industry Mall to website: Industry Mall to website: CAx-Download-Manager to website: Industry Online Support http://www.siemens.com/bindustry/siemens.com/ http://www.siemens.com/bindustry/siemens.com/ http://www.siemens.com/bindustry/siemens.com/ http://www.siemens.com/bindustry/siemens.com/ http://www.siemens.com/bindustry/siemens.com/ http://www.siemens.com/ http://www.sie	short-term shear force per length	100 N/cm
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