

Product-type designation	
PROFIBUS PCF Fiber Optic standard cable	
SIMATIC NET, PROFIBUS PCF FIBER OPTIC, WITH 4 PCF BFOC CONNECTORS L = 250 M	
	
Product description	PCF fiber-optic cable with plastic cladding, preferred length, preassembled
Cable designation	I-V(ZN)Y 2K 200/230
Cable length	250 m
Optical data	
Damping ratio per length	
• at 650 nm / maximum	10 dB/km
• at 660 nm / maximum	10 dB/km
Bandwidth length product	
• 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	
• of optical fibers	200 µm
• of the optical fiber sheath	230 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	4.7 mm

Material	
• of the FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	Violet
Bending radius	
• with single bend / minimum permissible	47 mm
• with multiple bends / minimum permissible	70 mm
Traction stress / maximum	200 N
Short-term shear force per length	100 N/cm
Weight per length	22 kg/km
Permitted ambient conditions	
Ambient temperature	
• during operating	-30 ... +70 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
• during installation	-5 ... +50 °C
Protection class IP	IP20
Chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
Product properties, functions, components / general	
Product feature	
• halogen-free	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable length	
• for PCF FOC / for PROFIBUS / maximum	400 m
Standards, specifications, approvals	
Verification of suitability	
• RoHS conformity	Yes
letzte Änderung:	Aug 6, 2014