

Product-type designation	
PROFIBUS Plastic Fiber Optic standard cable	
SIMATIC NET, PROFIBUS PLASTIC FIBER OPTIC (980/1000), STANDARD CABLE 50 M RING	
	
Product description	Fiber-optic cable with polyoptical fiber, 50m ring, unassembled
Cable designation	I-V4Y(ZN)Y 2P 980/1000
Cable length	50 m
Optical data	
Damping ratio 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 FOC cores / per FOC cable	2
Version of the FO conductor fiber	Step index fiber 980/1000 µm
Outer diameter	
• of 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 FOC core sheath	PA
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	Violet
Bending radius	
• with single bend / minimum permissible	100 mm
• with multiple bends / minimum permissible	150 mm
Traction stress / maximum	100 N
Short-term shear force per length	100 N/cm
Weight per length	65 kg/km
Permitted ambient conditions	
Ambient temperature	
• during operating	-30 ... +70 °C
• during storage	-30 ... +70 °C
• during transport	-30 ... +70 °C
• during installation	50 °C
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 POF FOC / for PROFIBUS / maximum	80 m
Standards, specifications, approvals	
Verification of suitability	
• RoHS conformity	Yes
letzte Änderung:	Jun 9, 2014