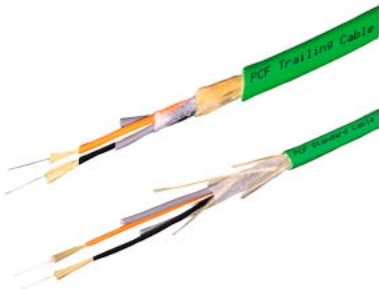


product type designation	PROFIBUS Plastic Fiber Optic Duplex Core
product description	Fiber-optic cable with polyoptical fiber (flat dual cores), 50m ring, unassembled PROFIBUS Plastic Fiber Optic, duplex core 50 m ring.
	
suitability for use	Indoor applications with low mechanical loads (e.g. laboratory set-ups or inside cabinets), cable lengths up to 50 m
version of the assembled FO cable	For assembly with four Simplex connectors
cable designation	V-2Y 2x1 P 980/1000
wire length	50 m
optical data	
attenuation factor per length	
• at 650 nm / maximum	10 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
material	
• of the fiber-optic cable core	Polymethylmethacrylate (PMMA)
• of the optical fiber sheath	Fluoridated special polymer
• of the FOC core sheath	PE
color	
• of the FOC core sheath	gray
bending radius	
• with single bend / minimum permissible	25 mm
• with multiple bends / minimum permissible	25 mm
tensile load	
• during operation / maximum	10 N
short-term shear force per length	30 N/cm
continuous shear force per length	4 N/cm
weight per length	7.6 kg/km
ambient conditions	
ambient temperature	
• during operation	-55 ... +85 °C
• during storage	-55 ... +85 °C

• during transport • during installation	-55 ... +85 °C -5 ... +50 °C
fire behavior	flame-resistant in accordance with the VW-1 flame test acc. to UL 1581
chemical resistance	
• to mineral oil • to grease	conditional resistance conditional resistance
radiological resistance / to UV radiation	not resistant
product features, product functions, product components / general	
product feature	
• halogen-free • silicon-free	Yes Yes
product component / rodent protection	No
wire length	
• for POF FOC / with PROFIBUS / maximum	80 m
standards, specifications, approvals	
certificate of suitability	
• RoHS conformity	Yes
reference code	
• according to IEC 81346-2 • according to IEC 81346-2:2019	WH WHA
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

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