

Product-type designation	Fiber optic standard cable
	SIMATIC NET, FIBER OPTIC CABLE (62.5/125)STANDARD CABLE, SPLITTABLE PREASSEMBLED WITH 4 BFOC CONNECTORS, LENGTH: 250 M
	
Product description	Flexible glass fiber-optic cable, preferred length, preassembled
Cable designation	AT-V(ZN)YY 2X1 G 62.5/125
Cable length	250 m
Optical data	
Damping ratio per length	
• at 850 nm / maximum	3.1 dB/km
• at 1300 nm / maximum	0.8 dB/km
Bandwidth length product	
• at 850 nm	200 GHz·m
• at 1300 nm	600 GHz·m
Mechanical data	
Number of fibers / per FOC core	1
Number of FOC cores / per FOC cable	2
Design of the fiber-optic cable	Segmentable outer conductor
Outer diameter	
• of optical fibers	62.5 µm
• of the optical fiber sheath	125 µm
• of the FOC core sheath	3.5 mm
Width / of the cable sheath	9.8 mm
Thickness / of the cable sheath	6.3 mm

Material	
• of the FOC core sheath	PVC
• of the fiber-optic cable sheath	PVC
Color	
• of the cable sheath	Black
Bending radius	
• with single bend / minimum permissible	80 mm
• with multiple bends / minimum permissible	80 mm
Traction stress / maximum	1500 N
Continuous lateral force per length	150 N/cm
Weight per length	70 kg/km

Permitted ambient conditions

Ambient temperature	
• during operating	-40 ... +85 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• during installation	-5 ... +50 °C
Protection class IP	IP20
Chemical resistance	
• to mineral oil	not resistant
• to grease	not resistant

Product properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes
Product component / Rodent protection	No
Cable length	
• for glass FOC	
• for 100BaseFX / for Industrial Ethernet / maximum	4000 m
• for 1000BaseSX / for Industrial Ethernet / maximum	350 m
• for 1000BaseLX / for Industrial Ethernet / maximum	550 m
• for glass FOC / for PROFIBUS / maximum	3000 m

Standards, specifications, approvals

Verification of suitability	
• RoHS conformity	Yes

letzte Änderung: Aug 6, 2014