

Product-type designation	
	
INDOOR fiber optic indoor cable	
SIMATIC NET, INDOOR FIBER OPTIC (62.5/125), FREE OF HALOGEN, RESISANT TO, TREADING, FLAME-RETARDANT GLASS FO CABLE FOR INDOOR INSTALLAT. PREASSEMBLED W. 4 BFOC CONNEC. LENGTH = 50 M	
Product description	Glass fiber-optic cable, preferred length, preassembled
Cable designation	I-V(ZN)HH 2x1 G 62.5/125
Cable length	50 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 inner conductor
Outer diameter	
• of optical fibers	62.5 µm
• of the optical fiber sheath	125 µm
• of the FOC core sheath	2.9 mm
Symmetrical deviation / of the outer diameter of the FOC core sheath	0.1 mm
Width / of the cable sheath	6.8 mm

Thickness / of the cable sheath	3.9 mm
Material	
• of the FOC core sheath	FRNC
• of the fiber-optic cable sheath	FRNC
Color	
• of the cable sheath	orange
Bending radius	
• with single bend / minimum permissible	30 mm
• with multiple bends / minimum permissible	50 mm
Traction stress / maximum	200 N
Short-term shear force per length	300 N/cm
Continuous lateral force per length	100 N/cm
Weight per length	30 kg/km
Permitted ambient conditions	
Ambient temperature	
• during operating	-20 ... +60 °C
• during storage	-25 ... +70 °C
• during transport	-25 ... +70 °C
• during installation	-5 ... +50 °C
Protection class IP	IP20
Chemical resistance	
• to grease	not resistant
Product properties, functions, components / general	
Product feature	
• halogen-free	Yes
• 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:	Jul 19, 2014