

Product-type designation	INDOOR fiber optic indoor cable
 Product description Cable designation Cable length	SIMATIC NET, INDOOR FIBER OPTIC (62.5/125), FREE OF HALOGEN, RESIS. TO, TREADING, FLAME-RETARDANT GLASS FO CABLE FOR INDOOR INSTALLAT. PREASSEMBLED W. 4 BFOC CONNEC. L = 1 M Glass fiber-optic cable, preferred length, preassembled I-V(ZN)HH 2x1 G 62.5/125 1 m
Optical data	
Damping ratio per length • at 850 nm / maximum • at 1300 nm / maximum Bandwidth length product • at 850 nm • at 1300 nm	3.1 dB/km 0.8 dB/km 200 GHz·m 600 GHz·m
Mechanical data	
Number of fibers / per FOC core Number of FOC cores / per FOC cable Design of the fiber-optic cable Outer diameter • of optical fibers • of the optical fiber sheath • of the FOC core sheath Symmetrical deviation / of the outer diameter of the FOC core sheath Width / of the cable sheath	1 2 Segmentable inner conductor 62.5 µm 125 µm 2.9 mm 0.1 mm 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:	Aug 6, 2014