SIEMENS

Data sheet 6XV1820-7AH10

product description

Glass fiber-optic cable, sold by the meter, unassembled

Indoor Fiber Optic (62.5/125), halogen-free, non-crush, flame-retardant internal fiber-optic cable, Sold by the meter Delivery unit max. 2000 m Minimum order 20 m



suitability for use	Non-crush, halogen-free and flame-retardant cable for indoor installation
version of the assembled FO cable	For assembly with four BFOC connectors
cable designation	I-V(ZN)HH 2x1 G 62,5/125 OM1
optical data	
attenuation factor 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 FO cores / per FOC cable	2
version of the FO conductor fiber	Multimode graded-index fiber 62.5/125 μm, OM 1
design of the FOC core	Solid core, diameter 900 µm
design of the fiber-optic cable	Segmentable inner conductor
outer diameter	
 of the 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 cable sheath	6.8 mm
thickness / of cable sheath	3.9 mm
material	
 of the fiber-optic cable core 	Quartz glass
 of the optical fiber sheath 	Quartz glass
 of the FOC core sheath 	FRNC
 of the fiber-optic cable sheath 	FRNC
of the strain relief	Aramid fibers
color	
 of the FOC core sheath 	gray
of cable sheath	orange
bending radius	
 with single bend / minimum permissible 	30 mm
with multiple bends / minimum permissible	50 mm
tensile load	
 during installation / short-term 	800 N
during operation / maximum	200 N

continuous shear force per length weight per length meliant zonditions ambient temperature during operation during storage during storage during installation during storage during installation -5+50 °C fire behavior class of burning behaviour / according to EN 13501-6 chemical resistance to mineral oil to grease to mineral oil to water to water silicon-free halogen-free silicon-free silicon-free yes silicon-free yes silicon-free yes silicon-free yes silicon-free yes product component / rodent protection wire length for glass FOC / for 1000BaseFX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for industrial Ethernet / maximum for glass FOC / for for for the formation of the formation	short-term shear force per length	300 N/cm
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