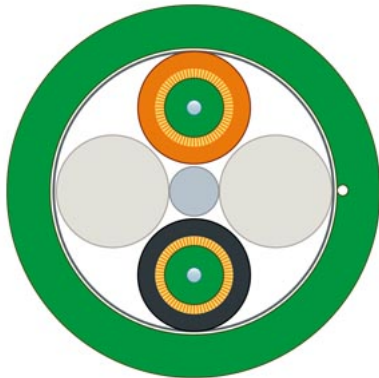


product description

single-mode glass fiber-optic cable, sold by the meter, unassembled

SM FO FRNC cable GP (2E9/125), halogen-free cable, splittable, for permanent routing, max. length 1000 m minimum order quantity 20 m sold by the meter.



Technical Product Detail Page

<https://l.siemens.com/1P6XV1843-2E>

suitability for use

Halogen-free cable (acc. to IEC 61034-1 / 61034-2 and IEC 60754-1 / IEC 60754-2) for use indoors and outdoors with permanent installation, UL approval

version of the assembled FO cable

sold by the meter

cable designation

AT-V(ZN)HH 2E9/125 TB900L 2,2

optical data

attenuation factor per length

- at 1550 nm / maximum

0.22 dB/km

mechanical data

number of fibers / per FOC core

1

number of FO cores / per FOC cable

2

design of the FOC core

fixed core (TB900L)

design of the fiber-optic cable

segmentable

outer diameter

- of the optical fibers
- of the optical fiber sheath
- of the FOC core sheath

9 µm
125 µm
2.2 mm

symmetrical deviation / of the outer diameter of the FOC core sheath

0.1 mm

outer diameter / of the cable

7.2 mm

symmetrical deviation / of the outer diameter of the line

0.5 mm

material

- of the fiber-optic cable core
- of the optical fiber sheath
- of the FOC core sheath
- of the fiber-optic cable sheath
- of the strain relief

Quartz glass
Quartz glass
FRNC
FRNC
Aramid fibers

color

- of the FOC core sheath
- of cable sheath

orange/black
green

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

70 mm
105 mm

tensile load

- during installation / short-term
- during operation / maximum

800 N
250 N

short-term shear force per length

500 N/cm

weight per length

57 kg/km

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport during installation 	-30 ... +85 °C -30 ... +85 °C -30 ... +85 °C -5 ... +50 °C
fire behavior	flame-resistant acc. to IEC 60332-1-2 and IEC 60332-3-22 (Cat. A)
class of burning behaviour / according to EN 13501-6	B2ca - s1a d1 a1
chemical resistance	
<ul style="list-style-type: none"> to mineral oil to grease to water 	no resistance conditional resistance conditional resistance
radiological resistance / to UV radiation	conditional resistance
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> halogen-free silicon-free 	Yes Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum for glass FOC / for 10GBaseLR / for Industrial Ethernet / maximum for glass FOC / with 10GBaseER / for Industrial Ethernet / maximum for glass FOC / with PROFIBUS / maximum 	26000 m 5000 m 10000 m 40000 m 15000 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> UL approval RoHS conformity 	Yes; c(UL)us OFNR FT4 Yes
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information / header	
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Approvals / Certificates	
General Product Approval	Environment

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