

product type designation

product description

SIENOPYR marine duplex fiber-optic cable

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

FOC SIENOPYR marine cable, fiber-optic cable for laying on ships and OFFSHORE units, Sold by the meter delivery unit max. 1000 m minimum order quantity 20 m.



suitability for use

Fixed routing on ships and on offshore platforms in all enclosed spaces and on open deck, marine approval available

cable designation

MI-VHH 2G 62.5/125 3.1B200 + 0.8F600 + 2x1Cu 300V

optical data

attenuation factor per length

- at 650 nm / maximum
- at 850 nm / maximum
- at 1300 nm / maximum

160 dB/km

3.1 dB/km

0.8 dB/km

bandwidth length product

- at 850 nm
- at 1300 nm

200 GHz·m

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

design of the fiber-optic cable

Segmentable outer conductor

outer diameter

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

62.5 μm

125 μm

2.9 mm

outer diameter / of the cable

13.3 mm

symmetrical deviation / of the outer diameter of the line

0.5 mm

material

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

Mineral glass

Polyolefine

SHF1 mixture

Aramid fibers

color

- of cable sheath

Black

bending radius

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

133 mm

266 mm

tensile load

- during operation / maximum

250 N

weight per length

220 kg/km

ambient conditions

ambient temperature

<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation 	-40 ... +80 °C
ambient condition / for operation	-40 ... +80 °C
fire behavior	-40 ... +80 °C
chemical resistance	-40 ... +80 °C
<ul style="list-style-type: none"> • to water 	-10 ... +50 °C
radiological resistance / to UV radiation	At ambient temperatures below -10 degrees Celsius, the cable must not be subjected to any movements other than the normal vibration levels encountered on board ship
	Flame-resistant acc. to IEC 60332-3 (Cat. A)
	conditional resistance
	resistant
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> • halogen-free 	Yes
<ul style="list-style-type: none"> • silicon-free 	Yes
product component / rodent protection	No
wire length	
<ul style="list-style-type: none"> • for glass FOC / for 100BaseFX / for Industrial Ethernet / maximum 	4000 m
<ul style="list-style-type: none"> • for glass FOC / for 1000BaseSX / for Industrial Ethernet / maximum 	350 m
<ul style="list-style-type: none"> • for glass FOC / for 1000BaseLX / for Industrial Ethernet / maximum 	550 m
<ul style="list-style-type: none"> • for glass FOC / with PROFIBUS / maximum 	3000 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
Marine classification association	
<ul style="list-style-type: none"> • French marine classification society (BV) 	Yes
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	Yes
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	Yes
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	Yes
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	WH
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	WHA
further information / internet-Links	
Internet-Link	
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	http://www.siemens.com/tia-selection-tool
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	https://sie.ag/2QdlxcP
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAX-Download-Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com
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