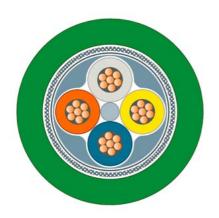
## **SIEMENS**

6XV1840-4AH10 **Data sheet** 

product description



Halogen-free bus cable acc. to IEC 60754-1/2 (4-core), sold by the meter, unassembled

Industrial Ethernet FC TP Marine Cable, TP installation cable for connection to FC outlet RJ45, shipbuilding certified, 4-core, shielded, Cat5, sold by the meter, delivery unit max. 1000 m, minimum order quantity 20 m.

suitability for use cable designation For marine and offshore use

L-9YH (ST) CH 2 x 2 x 0,34/1,5-100 GN VZN FRNC SF/UTP

Overlapped aluminum-clad foil, sheathed in a braided screen of tin-

electrical data					
attenuation factor per length					
<ul><li>at 10 MHz / maximum</li></ul>	0.06 dB/m				
<ul><li>at 100 MHz / maximum</li></ul>	0.22 dB/m				
impedance					
● at 1 MHz 100 MHz	100 Ω				
relative symmetrical tolerance					
<ul> <li>of the characteristic impedance at 1 MHz 100 MHz</li> </ul>	15 %				
near-end crosstalk per length					
● at 1 MHz 100 MHz	0.5 dB/m				
transfer impedance per length / at 10 MHz	10 mΩ/m				
loop resistance per length / maximum	120 mΩ/m				
operating voltage					
<ul> <li>RMS value</li> </ul>	80 V				

66 %

Yes

0.75 mm

0.75 mm

1.5 mm

3.9 mm

6.5 mm

0.2 mm

PP

**FRNC** 

**FRNC** 

plated copper wires

m	00	ha	ni	cal		40

number of electrical cores

design of the shield

NVP value in percent

type of electrical connection / FastConnect core diameter

• of AWG22 insulated conductor

outer diameter

of inner conductor

• of the wire insulation

• of the inner sheath of the cable

of cable sheath

symmetrical tolerance of the outer diameter / of cable sheath

material

• of the wire insulation

• of the inner sheath of the cable

• of cable sheath

color

• of the insulation of data wires

• of cable sheath

white/yellow/blue/orange

green

bending radius

• with single bend / minimum permissible 39 mm • with multiple bends / minimum permissible 97.5 mm tensile load / maximum 150 N weight per length 68 kg/km ambient conditions ambient temperature during operation -25 ... +70 °C • during storage -40 ... +85 °C during transport -40 ... +85 °C • during installation 0 ... 50 °C Electrical properties measured at 20 °C, tests according to DIN VDE note 0472 ambient condition / for operation Temperature range for permanent installation -40 °C to 85 °C fire behavior flame resistant according to IEC 60332-3-22 (Category A/F), smoke density according to IEC 61034-1/2 class of burning behaviour / according to EN 13501-6 chemical resistance • to mineral oil conditional resistance, IEC 60811-2-1 (4 hours / 70 °C) Conditional resistance to grease conditional resistance to water resistant radiological resistance / to UV radiation product features, product functions, product components / general product feature • halogen-free Yes Yes • silicon-free wire length / for Industrial Ethernet • with 100BaseTX 85 m standards, specifications, approvals Yes; cULus / CMG / PLTC / Sun Res UL/ETL listing / 300 V Rating UL/ETL style / 600 V Rating No certificate of suitability EAC approval Yes CE marking Yes RoHS conformity Yes standard for structured cabling Cat5e Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) Yes Yes • French marine classification society (BV) Det Norske Veritas (DNV) Yes • Germanische Lloyd (GL) Yes . Lloyds Register of Shipping (LRS) Yes Nippon Kaiji Kyokai (NK) Nο • Polski Rejestr Statkow (PRS) No reference code • according to IEC 81346-2 WG WGB • according to IEC 81346-2:2019 further information / internet-Links Internet-Link • to web page: selection aid TIA Selection Tool http://www.siemens.com/tia-selection-tool • to website: Industrial communication http://www.siemens.com/simatic-net • to website: Industry Mall https://mall.industry.siemens.com • to website: Information and Download Center http://www.siemens.com/industry/infocenter • to website: Selection guide for cables and https://sie.ag/2QdlxcP connectors • to website: Image database http://automation.siemens.com/bilddb • to website: CAx-Download-Manager http://www.siemens.com/cax • to website: Industry Online Support https://support.industry.siemens.com

last modified:

10/30/2021