SIEMENS

Data sheet 6XV1840-2AT10

product description

suitability for use



Standard bus cable (4 wires), preferred length, not assembled

Standard cable with rigid cores for fast installation

IE FC TP Standard Cable GP 2x2 (PROFINET Type A), CAT5E, bus cable 4-wire, shielded, special configuration for quick assembly to IE FC RJ45 plug 2x2, 100 m.

2x2x0,64/1,5-100 GN SF/UTP
luminum-clad foil, sheathed in a braided screen of tin-plated
(PE)

with single hand (minimum mann). 2.1	40 F 2000	
with single bend / minimum permissible	19.5 mm	
with multiple bends / minimum permissible	49 mm	
tensile load / maximum	150 N	
weight per length	61 kg/km	
ambient conditions		
ambient temperature		
during operation	-40 +75 °C	
during storage	-40 +75 °C	
during transport	-40 +75 °C	
during installation	-40 +60 °C	
• note	Electrical properties measured at 20 °C, tests according to DIN VDE 0472	
fire behavior	flame resistant according to IEC 60332-3-24 (Category C) and UL 1685 (CSA FT 4)	
class of burning behaviour / according to EN 13501-6	Eca	
chemical resistance		
• to mineral oil	oil resistant according to IEC 60811-2-1 (4 h / 70°C)	
• to grease	Conditional resistance	
• to water	conditional resistance	
radiological resistance / to UV radiation	resistant	
product features, product functions, product components / general		
product feature		
• halogen-free	No	
• silicon-free	Yes	
wire length / for Industrial Ethernet		
with 100BaseTX	100 m	
standards, specifications, approvals		
UL/ETL listing / 300 V Rating	Yes; c(ETL)us / CMG / (ETL)us PLTC/ ITC / Sun Res	
UL/ETL style / 600 V Rating	Yes; cRUus AWM 21694 AWM I A/B 60°C 600V FT2	
certificate of suitability	100, 0100071111121001711111171220000001112	
EAC approval	Yes	
• CE marking	Yes	
RoHS conformity	Yes	
	Cat5e	
standard for structured cabling Marine classification association	Calbe	
	No	
American Bureau of Shipping Europe Ltd. (ABS) French marine elegation againty (P)()	No No	
French marine classification society (BV) Det Neglis Veritor (DNV)	No No	
Det Norske Veritas (DNV)	No	
Germanische Lloyd (GL)	No	
Lloyds Register of Shipping (LRS)	No	
Nippon Kaiji Kyokai (NK) Palaki Brianta (Arthuru (RBC))	No No	
Polski Rejestr Statkow (PRS)	No	
reference code		
• according to IEC 81346-2	WG	
• according to IEC 81346-2:2019	WGB	
standards, specifications, approvals / Environmental Product De	eclaration	
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
• total	0.9 kg	
during manufacturing	0.81 kg	
 during operation 	0.02 kg	
after end of life	0.07 kg	
further information / internet links		
internet link		
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358	
to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud	
to web page: SiePortal	https://sieportal.siemens.com/	
to website: Image database	https://www.automation.siemens.com/bilddb	
• to website: CAx-Download-Manager	https://www.siemens.com/cax	
to website: Industry Online Support	https://support.industry.siemens.com	
security information		
security information	Siemens provides products and solutions with industrial cybersecurity functions	
Security information	Cioniono provideo producto and oblitationo with industrial cypolocounty full citotis	

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Approvals / Certificates

General Product Approval

Environment





Manufacturer Declaration



Declaration of Conformity



Industrial Communication

PROFINET

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