SIEMENS

Data sheet 6XV1840-2AT50

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, 500 m.

Standard cable with rigid cores for last installation
2YY (ST) CY 2x2x0,64/1,5-100 GN SF/UTP
500 m
0.052 dB/m
0.195 dB/m
100 Ω
15 %
0.5 dB/m
10 mΩ/m
115 mΩ/m
80 V
69 %
4
Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
Yes
0.64 mm
0.64 mm
1.5 mm
3.9 mm
6.5 mm
0.2 mm
polyethylene (PE)
PVC
DVC
PVC
PVC
white/yellow/blue/orange

with single bend / minimum permissible	19.5 mm
with single bend / minimum permissible with multiple bends / minimum permissible	49 mm
tensile load / maximum	150 N
	61 kg/km
weight per length ambient conditions	OT NJ/NIII
ambient temperature	40 175 °C
during operation	-40 +75 °C
during storage	-40 +75 °C -40 +75 °C
during transport during installation	
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 (Cat. 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 / gene	eral Total Communication of the
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	
 EAC approval 	Yes
CE marking	Yes
RoHS conformity	Yes
standard for structured cabling	Cat5e
Marine classification association	
 American Bureau of Shipping Europe Ltd. (ABS) 	No
 French marine classification society (BV) 	No
 Det Norske Veritas (DNV) 	No
 Germanische Lloyd (GL) 	No
 Lloyds Register of Shipping (LRS) 	No
 Nippon Kaiji Kyokai (NK) 	No
 Polski Rejestr Statkow (PRS) 	No
reference code	
according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB
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 connectors	https://sie.ag/2QdlxcP
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

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