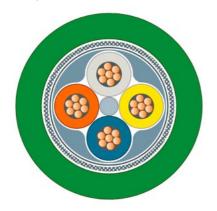
## **SIEMENS**

Data sheet 6XV1870-2B

product description

suitability for use



Flexible bus cable (4-core), sold by the meter, unassembled

For occasionally moved machine parts

Industrial Ethernet FC TP flexible cable, GP 2x2 (PROFINET Type B), TP installation cable with flexible cores, PROFINET type B, 4-core, shielded Cat 5, sold by the meter, delivery length max. 2500 m minimum order 20 m

2YY (ST) CY 2x2x0,75/1,5-100 LI GN SF/UTP	
0.06 dB/m	
0.21 dB/m	
0.21 (15/11)	
100 Ω	
100 32	
15 %	
0.5 dB/m	
20 mΩ/m	
120 mΩ/m	
80 V	
66 %	
mechanical data	
4	
Overlapped aluminum-clad foil, sheathed in a braided screen of tin- plated copper wires	
Yes	
0.75 mm	
0.75 mm	
1.5 mm	
3.9 mm	
6.5 mm	
0.2 mm	
polyethylene (PE)	
PVC	
PVC	
white/yellow/blue/orange	

bending radius	
<ul><li>with single bend / minimum permissible</li></ul>	32.5 mm
with multiple bends / minimum permissible	52 mm
tensile load / maximum	150 N
weight per length	68 kg/km
ambient conditions	
ambient temperature	
during operation	-25 +75 °C
during storage	-25 +75 °C
during transport	-25 +75 °C
during installation	-10 +60 °C
• note	Electrical properties measured at 20 °C, tests according to DIN VDE
	0472
fire behavior	flame resistant according to UL 1685 (CSA FT 4)
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul><li>to mineral oil</li></ul>	oil resistant according to IEC 60811-404 (7x24h/90°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	100
with 100BaseTX	85 m
	65 111
standards, specifications, approvals	Variation CMO //ETI via DI TO / Over Data / OII DEO
UL/ETL listing / 300 V Rating	Yes; c(ETL)us, CMG / (ETL)us PLTC / Sun Res / OIL RES
UL/ETL style / 600 V Rating	Yes; cRUus AWM 21694 AWM I A/B 60°C 600V FT2
certificate of suitability	V
EAC approval	Yes
• CE marking	Yes
RoHS conformity	Yes
standard for structured cabling	Cat5e
Marine classification association	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul> <li>French marine classification society (BV)</li> </ul>	No
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
<ul> <li>Germanische Lloyd (GL)</li> </ul>	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	No
Polski Rejestr Statkow (PRS)	No
reference code	
• acc. to IEC 81346-2	WG
<ul> <li>according to IEC 81346-2:2019</li> </ul>	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
<ul> <li>to website: Selection guide for cables and connectors</li> </ul>	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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