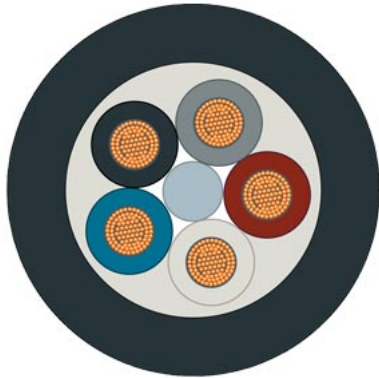


product type designation

product description



Control cable 5 x 0.25

Flexible Control cable (5-core), sold by the meter, unassembled

Control cable, 5-core Power line, stranded wire, 5 x AWG24; Delivery unit: max. 1000 m, minimum order quantity 20 m sold by the meter

Technical Product Detail Page

<https://l.siemens.com/1P6XV1801-2C>

cable designation

LIHH11Y 5X1X0.25 SW

electrical data

operating voltage / RMS value

300 V

conductor cross section / of the power line

0.4 mm²

continuous current / of the power lines

2.5 A

mechanical data

number of electrical cores

5

AWG number

24

outer diameter

- of inner conductor
- of the wire insulation
- of cable sheath

0.7 mm
1.2 mm
5.3 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.3 mm

conductor class

6

material

- of the conductor
- of the wire insulation
- of cable sheath

CU, blank
FRNC
PUR

product component / PE connection

No

marking / of cores

Color

color

- of the power line insulation
- of cable sheath

Brown / white / blue / black / gray
Black

bending radius

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

21 mm
42 mm

tensile load / maximum

10 N

weight per length

40 kg/km

ambient conditions

ambient temperature

- during operation
- during storage
- during transport
- during installation

-15 ... +80 °C
-25 ... +80 °C
-25 ... +80 °C
-15 ... +80 °C

fire behavior

Flame-resistant according to IEC 60332-1-2, UL 2556, Sec. 9.3 (FT1), CSA C22.2 No.2556, UL 1581, Sec. 1061 (cable flame)

class of burning behaviour / according to EN 13501-6	Fca
chemical resistance <ul style="list-style-type: none"> to mineral oil to grease to water 	oil resistant according to DIN EN 60811-404 (7x24h/90°C) Conditional resistance Conditional resistance
radiological resistance / to UV radiation	sunlight resistant acc. to UL 2556 sec. 4.2.8.5 (720h)

product features, product functions, product components / general

product feature <ul style="list-style-type: none"> halogen-free silicon-free 	Yes Yes
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standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; UL Style 20233 (80°C/300V) CSA C22.2 No. 210 I/II A/B FT1
UL/ETL style / 600 V Rating	No; F
certificate of suitability <ul style="list-style-type: none"> EAC approval RoHS conformity 	Yes Yes


further information / internet links

internet link <ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to website: Industrial communication to web page: SiePortal to website: Image database to website: CAx-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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security information

security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert . (V4.7)
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Approvals / Certificates

General Product Approval	Environment
Manufacturer Declaration 	Fire safety / Physical security Environmental Conformations

last modified: 10/29/2025 