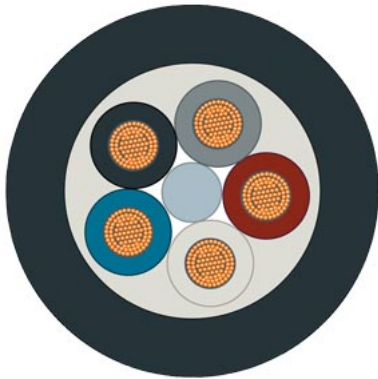


### product type designation

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

electrical data	
operating voltage / RMS value	300 V
conductor cross section / of the power line	0.4 mm <sup>2</sup>
continuous current / of the power lines	2.5 A
mechanical data	
number of electrical cores	5
AWG number	24
outer diameter	
• of inner conductor	0.7 mm
• of the wire insulation	1.2 mm
• of cable sheath	5.3 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material	
• of the conductor	CU, blank
• of cable sheath	PUR
product component / PE connection	No
marking / of cores	Color
color	
• of the power line insulation	Brown / white / blue / black / gray
• of cable sheath	Black
bending radius	
• with single bend / minimum permissible	21 mm
• with multiple bends / minimum permissible	42 mm
tensile load / maximum	10 N
weight per length	40 kg/km
ambient conditions	
ambient temperature	
• during operation	-15 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
• during installation	-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	
• to mineral oil	oil resistant according to DIN EN 60811-404 (7x24h/90°C)
• to grease	Conditional resistance

<ul style="list-style-type: none"> <li>to water</li> </ul>	Conditional resistance
<b>product features, product functions, product components / general</b>	
product feature	
<ul style="list-style-type: none"> <li>halogen-free</li> <li>silicon-free</li> </ul>	Yes Yes
<b>standards, specifications, approvals</b>	
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
certificate of suitability	
<ul style="list-style-type: none"> <li>EAC approval</li> <li>RoHS conformity</li> </ul>	Yes Yes
<b>further information / internet-Links</b>	
Internet-Link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Selection guide for cables and connectors</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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