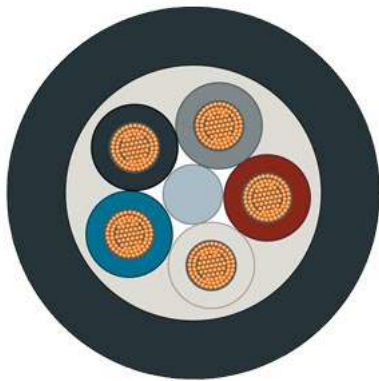


product type designation

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 ²
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
• to water	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	
• halogen-free	Yes
• silicon-free	Yes
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
certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes
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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