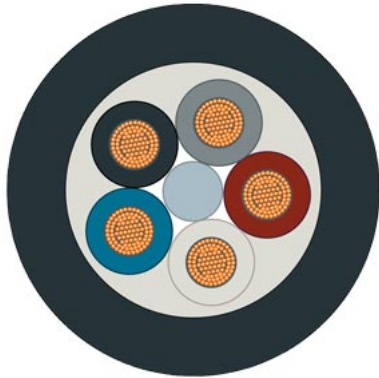


product type designation

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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