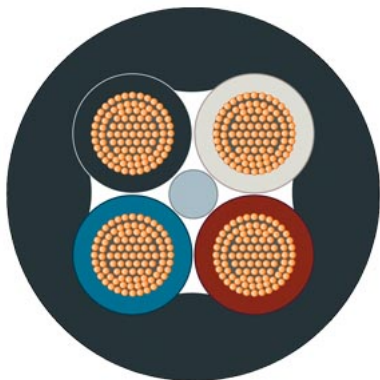


product description



halogen-free power cable (4-core), sold by the meter, unassembled

FRNC Energy Cable 4x 1.5 power line; 4-core stranded wire 1.5 mm²; delivery unit: max. 1000 m, minimum order quantity 20 m Sold by the meter

suitability for use

connection of 24 V power supply

electrical data	
operating voltage / RMS value	80 V
conductor cross section / of the power line	1.5 mm ²
continuous current / of the power lines	16 A
mechanical data	
number of electrical cores	4
outer diameter	
• of inner conductor	1.6 mm
• of the wire insulation	2.3 mm
• of cable sheath	7.7 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
conductor class	5
material	
• of the conductor	CU, blank
• of the wire insulation	FRNC
• of cable sheath	FRNC
product component / PE connection	No
marking / of cores	Color
color	
• of the power line insulation	brown / white / blue / black
• of cable sheath	Black
bending radius	
• with single bend / minimum permissible	31 mm
• with multiple bends / minimum permissible	62 mm
• with continuous bending	62 mm
tensile load / maximum	100 N
weight per length	109 kg/km
ambient conditions	
ambient temperature	
• during operation	-40 ... +105 °C
• during storage	-40 ... +105 °C
• during transport	-40 ... +105 °C
• during installation	-30 ... +105 °C
fire behavior	Flame-resistant acc. to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
• to mineral oil	resistant to fuel
• to grease	Conditional resistance

• to water	Conditional resistance
radiological resistance / to UV radiation	resistant according to UL 2556 Sec. 4.2.8.5 (720h)
product features, product functions, product components / general	
product feature	
• halogen-free	Yes; halogen-free according to IEC 60754-1/2
• low-emission according to IEC 61034-2	Yes
• silicon-free	Yes
standards, specifications, approvals	
UL/ETL listing / 300 V Rating	Yes; c(ETL)us 3047254 CM 75°C
UL/ETL style / 600 V Rating	Yes; E502506 AWM STYLE 21216 105°C
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: 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
Approvals / Certificates	
General Product Approval	Test Certificates

[Manufacturer Declaration](#)

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last modified:

3/29/2024 