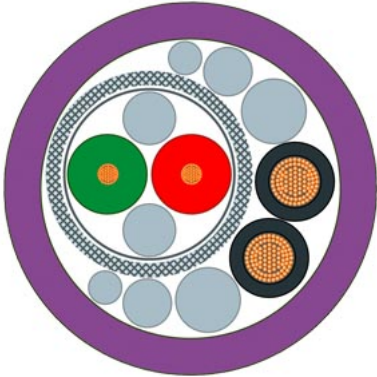


product type designation		PROFIBUS Hybrid Robust Cable
product description		Hybrid cable (data and energy wires), product sold by meter, unassembled
		PROFIBUS hybrid robust cable, trailable, welding bead-resistant cable with 2xCU (1.5 mm ²) and 2xCU 0.64 mm) shielded, ET 200 sold by the meter, delivery unit max. 1000 m minimum order quantity: 20 m .
suitability for use		Rugged cable for supplying data and power to ET 200pro under conditions of high mechanical loading. Cable resistance to weld spatter according to HD22.2 S3 / 5
cable designation		02Y(ST)C 1x2x0.65/2.56-150LI LIH-Z 11Y 2x1x1.5 VI FRNC
electrical data		
attenuation factor per length		
• at 9.6 kHz / maximum		0.004 dB/m
• at 38.4 kHz / maximum		0.004 dB/m
• at 4 MHz / maximum		0.025 dB/m
• at 16 MHz / maximum		0.049 dB/m
impedance		
• rated value		150 Ω
• at 9.6 kHz		270 Ω
• at 38.4 kHz		185 Ω
• at 3 MHz ... 20 MHz		150 Ω
relative symmetrical tolerance		
• of the characteristic impedance at 9.6 kHz		10 %
• of the characteristic impedance at 38.4 kHz		10 %
• of the characteristic impedance at 3 MHz ... 20 MHz		10 %
loop resistance per length / maximum		138 Ω/km
shield resistance per length / maximum		10 Ω/km
operating voltage / maximum		80 V
capacity per length / at 1 kHz		30 pF/m
operating voltage / RMS value		300 V
conductor cross section / of the power line		1.5 mm ²
continuous current / of the power lines		7.5 A
mechanical data		
design of the shield		Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
number of electrical cores		4
type of electrical connection / FastConnect		No
outer diameter		
• of inner conductor		0.67 mm
• of the wire insulation		2.56 mm
• of cable sheath		11 mm
symmetrical tolerance of the outer diameter / of cable sheath		0.5 mm
material		
• of the wire insulation		polyethylene (PE)
• of cable sheath		PUR

color	
<ul style="list-style-type: none"> • of the insulation of data wires • of the power line insulation • of cable sheath 	red / green Black Violet
bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	44 mm 125 mm
number of bending cycles	3000000; For use in cable carriers, for 3 million bending cycles with a bending radius of 125 mm and an acceleration of 2.5 m/s ²
tensile load / maximum	450 N
weight per length	135 kg/km

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport • during installation • note 	-40 ... +75 °C -40 ... +75 °C -40 ... +75 °C -40 ... +75 °C Electrical properties measured at 20 Cel, verification according to DIN 47250 part 4 respectively DIN VDE 0490
fire behavior	flame-retardant according to IEC 60332-1-2
class of burning behaviour / according to EN 13501-6	Eca
chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to grease 	Resistant Resistant
radiological resistance / to UV radiation	resistant

product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> • halogen-free • silicon-free 	Yes Yes

standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; CMX
UL/ETL style / 600 V Rating	No
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 web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

Approvals / Certificates

General Product Approval	Test Certificates	other
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[Manufacturer Declaration](#)



[Declaration of Conformity](#)



[Manufacturer Declaration](#)

[Manufacturer Declaration](#)

Environment

[Confirmation](#)

last modified:

3/12/2024

