

product type designation

product description

PROFIBUS Cable 830-2

Plug-in cable comprising PROFIBUS standard cable, preferred length, preassembled with two 9-pole connectors
 plug-in cable 830-2 for PROFIBUS, pre-assembled cable with two D-sub connectors 9-pole, Terminating resistors connectable, 5 m



suitability for use	Cable for connecting PROFIBUS stations (e.g. HMI) to automation devices
cable designation	02YSY (ST) CY 1x2x0,64/2,55-150 VI KF 40 FR
wire length	5 m

electrical data

damping ratio per length	
<ul style="list-style-type: none"> • at 9.6 kHz / maximum • at 38.4 kHz / maximum • at 4 MHz / maximum • at 16 MHz / maximum 	0.0025 dB/m 0.004 dB/m 0.022 dB/m 0.042 dB/m
operating voltage	
<ul style="list-style-type: none"> • RMS value 	80 V

mechanical data

number of electrical cores	2
design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires

outer diameter	
<ul style="list-style-type: none"> • of inner conductor • of the wire insulation • of the inner sheath of the cable 	<p>0.65 mm</p> <p>2.55 mm</p> <p>5.4 mm</p>
material	
<ul style="list-style-type: none"> • of the wire insulation • of the inner sheath of the cable 	<p>polyethylene (PE)</p> <p>PVC</p>
color	
<ul style="list-style-type: none"> • of the insulation of data wires 	red/green
bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible 	<p>37.5 mm</p> <p>75 mm</p>
weight per length	80 kg/km

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> • note 	Electrical properties measured at 20 °C, tests according to DIN 47250 part 4 respectively DIN VDE 0472
burning behavior	flame resistant according to IEC 60332-3-24 (Category C) and UL 1685 (CSA FT 4)
chemical resistance	
<ul style="list-style-type: none"> • to mineral oil • to water 	<p>oil resistant according to IEC 60811-2-1 (4 h / 70°C)</p> <p>conditional resistance</p>
radiological resistance / to UV radiation	resistant
protection class IP	IP20

standards, specifications, approvals

UL/ETL listing / 300 V Rating	Yes; c(UL)us, CMG / CL3 / Sun Res
UL/ETL style / 600 V Rating	Yes
certificate of suitability	
<ul style="list-style-type: none"> • EAC approval • CE marking • RoHS conformity 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) 	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>

further information / internet-Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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