

### 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, 10 m.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1830-2AN10>

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

10 m

### electrical data

number of electrical connections

2

attenuation factor per length

- 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

- 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

- of inner conductor
- of the wire insulation
- of the inner sheath of the cable

0.65 mm  
2.55 mm  
5.4 mm

material

- of the wire insulation
- of the inner sheath of the cable

polyethylene (PE)  
PVC

color

- of the insulation of data wires

red/green

bending radius

- with single bend / minimum permissible
- with multiple bends / minimum permissible

37.5 mm  
75 mm

weight per length

80 kg/km

### ambient conditions

fire behavior

flame resistant according to IEC 60332-3-24 (Category C) and UL 1685 (CSA FT 4)

chemical resistance

- to mineral oil
- to water

oil resistant according to IEC 60811-2-1 (4 h / 70°C)  
conditional resistance

radiological resistance / to UV radiation

resistant

protection class IP	IP20
<b>standards, specifications, approvals</b>	
UL/ETL listing / 300 V Rating	Yes; c(UL)us, CMG / CL3 / Sun Res
UL/ETL style / 600 V Rating	Yes
certificate of suitability	
• EAC approval	Yes
• CE marking	Yes
• RoHS conformity	Yes
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• Det Norske Veritas (DNV)	No
• Germanische Lloyd (GL)	No
• Lloyds Register of Shipping (LRS)	No
• Nippon Kaiji Kyokai (NK)	No
• Polski Rejestr Statkow (PRS)	No
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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#### Approvals / Certificates

##### General Product Approval



EG-Konf.



CCC

[Declaration of Con-  
formity](#)

[China RoHS](#)

[Manufacturer Declara-  
tion](#)



##### General Product Approval



RCM

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