

Data sheet

6XV1830-2AH30

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, 3 m.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1830-2AH30>

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

3 m

electrical data

number of electrical connections

2

attenuation factor per length

- at 9.6 kHz / maximum 0.0025 dB/m
- at 38.4 kHz / maximum 0.004 dB/m
- at 4 MHz / maximum 0.022 dB/m
- at 16 MHz / maximum 0.042 dB/m

operating voltage

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 0.65 mm
- of the wire insulation 2.55 mm
- of the inner sheath of the cable 5.4 mm

material

- of the wire insulation polyethylene (PE)
- of the inner sheath of the cable PVC

color

- of the insulation of data wires red/green

bending radius

- with single bend / minimum permissible 37.5 mm
- with multiple bends / minimum permissible 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 oil resistant according to IEC 60811-2-1 (4 h / 70°C)
- to water conditional resistance

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		
• 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 Statków (PRS)	No	
further information / internet links		
internet link		
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud	
• to web page: SiePortal	https://sieportal.siemens.com/	
• to website: Image database	https://www.automation.siemens.com/bilddb	
• to website: CAx-Download-Manager	https://www.siemens.com/cax	
• to website: Industry Online Support	https://support.industry.siemens.com	
security information		
security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>	
Approvals / Certificates		
General Product Approval		
	Declaration of Conformity	
	Manufacturer Declaration	
	China RoHS	
General Product Approval	For use in hazardous locations	Maritime application
		
RCM	ATEX	IECEEx
		
last modified:	1/12/2026	