

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

• RMS value	80 V
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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
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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 <ul style="list-style-type: none">EAC approvalCE markingRoHS conformity	Yes Yes Yes	
Marine classification association <ul style="list-style-type: none">American Bureau of Shipping Europe Ltd. (ABS)French marine classification society (BV)Det Norske Veritas (DNV)Germanische Lloyd (GL)Lloyds Register of Shipping (LRS)Nippon Kaiji Kyokai (NK)Polski Rejestr Statkow (PRS)	No No No No No No No	
further information / internet links		
internet link <ul style="list-style-type: none">to website: Selection guide for cables and connectorsto web page: selection aid TIA Selection Toolto web page: SiePortalto website: Image databaseto website: CAX-Download-Managerto website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com	
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General Product Ap- proval	For use in hazardous locations	Maritime application
 RCM	 ATEX	 IECEx
	 FM	 PRS

last modified:

12/20/2025 