

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

0.0025 dB/m

- at 9.6 kHz / maximum
- at 38.4 kHz / maximum
- at 4 MHz / maximum
- at 16 MHz / maximum

0.004 dB/m

0.022 dB/m

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

0.65 mm

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

2.55 mm

5.4 mm

material

polyethylene (PE)

PVC

color

red/green

• of the insulation of data wires

bending radius

37.5 mm

- with single bend / minimum permissible
- 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

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

- to mineral oil
- to water

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	
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