

product type designation

product description

Cable 830-1T

Plug-in cable, preferred length, preassembled with two 9-pole D-sub connectors

Plug-in cable 830-1T for PROFIBUS for connection of terminal devices to OLM and OBT Already pre-assembled with 2 D-sub connectors, 9-pole, cable terminated on both ends, 1.5 m.



product brand name

SIMATIC NET

Technical Product Detail Page

<https://i.siemens.com/1P6XV1830-1CH15>

suitability for use

For connecting PROFIBUS stations to OLM or OBT

cable designation

L-02YSCY 1x2x0,22 VZN VI

wire length

1.5 m

electrical data

number of electrical connections

2

insulation resistance coefficient

1 GΩ·m

capacity per length / at 1 kHz

30 pF/m

operating voltage

- RMS value

80 V

mechanical data

number of electrical cores

2

design of the shield

Braided shield made of tin-plated copper wires

outer diameter

- of inner conductor

0.61 mm

- of the wire insulation

1.8 mm

- of cable sheath

5.7 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

material

- of the wire insulation

polyethylene (PE)

- of cable sheath

PVC

color

- of cable sheath

Violet

bending radius

- with multiple bends / minimum permissible

86 mm

ambient conditions

ambient temperature

- during operation

-40 ... +70 °C

- during storage

-40 ... +70 °C

- during transport

-40 ... +70 °C

fire behavior

flame resistant according to IEC 60332-1

chemical resistance

- to mineral oil

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

protection class IP

IP20

product features, product functions, product components / general

product feature

• silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	
• EAC approval	Yes
• CE marking	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
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	
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Approvals / Certificates

General Product Approval



EG-Konf.

[Declaration of Con-
formity](#)



CCC

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General Product Approval



RCM

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