

### 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, 3 m.



suitability for use

For connecting PROFIBUS stations to OLM or OBT

cable designation

L-02YSCY 1x2x0,22 VZN VI

wire length

3 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
- of the wire insulation
- of cable sheath

0.61 mm  
1.8 mm  
5.7 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.2 mm

material

- of the wire insulation
- of cable sheath

polyethylene (PE)  
PVC

color

- of cable sheath

Violet

bending radius

- with multiple bends / minimum permissible

86 mm

### ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-40 ... +70 °C  
-40 ... +70 °C  
-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

|   |  |
|---|--|
| <ul style="list-style-type: none"> <li>silicon-free</li> </ul>  | Yes  |
| <b>standards, specifications, approvals</b>   |  |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>EAC approval</li> <li>CE marking</li> </ul>  | Yes<br>Yes   |
| Marine classification association   |  |
| <ul style="list-style-type: none"> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> <li>French marine classification society (BV)</li> <li>Det Norske Veritas (DNV)</li> <li>Germanische Lloyd (GL)</li> <li>Lloyds Register of Shipping (LRS)</li> <li>Nippon Kaiji Kyokai (NK)</li> <li>Polski Rejestr Statkow (PRS)</li> </ul>   | No<br>No<br>No<br>No<br>No<br>No<br>No   |
| reference code  |  |
| <ul style="list-style-type: none"> <li>according to IEC 81346-2</li> <li>according to IEC 81346-2:2019</li> </ul>   | WG<br>WGB  |
| <b>further information / internet-Links</b>   |  |
| Internet-Link   |  |
| <ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to website: Industry Mall</li> <li>to website: Information and Download Center</li> <li>to website: Selection guide for cables and connectors</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |
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