

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

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

- 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
reference code	
• acc. to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB

further information / internet-Links

Internet-Link	
• to web page: selection aid TIA Selection Tool	http://www.siemens.com/tia-selection-tool
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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