

Data sheet

6XV1830-1CH15

product type designation	Cable 830-1T
product description	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.
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 Statków (PRS)	No
reference code	
• according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB

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 website: Industrial communication	https://www.siemens.com/simatic-net
• 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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General Product Approval	
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last modified:

8/8/2024