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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	

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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	
● according 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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