SIEMENS

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.



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	

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● 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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)

Approvals / Certificates

General Product Approval

CE EG-Konf.	Declaration of Conformity	UKCA	CCC	Manufacturer Declaration	China RoHS

General Product Approval

RCM

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