

### Product type designation

Product description

### Cable 830-1T

Plug-in cable, preferred length, preassembled with two 9-pole D-sub connectors  
SIMATIC NET, 830-1T CONNECTING CABLE FOR PROFIBUS, FOR CONNECT. OF DATA TERMINALS W. OLM A. OBT ASSEMBLED WITH TWO SUB D MALE CONNECTORS, 9-PIN, TERMINATED AT BOTH ENDS, 3M



Suitability for use	For connecting PROFIBUS nodes to OLM or OBT
Cable designation	L-02YSCY 1x2x0,22 VZN VI
Cable length	3 m
<b>Electrical data</b>	
Insulation resistance coefficient	1 GΩ·m
Capacity per length / at 1 kHz	30 pF/m
<b>Mechanical data</b>	
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	PE
• of cable sheath	PVC
Color	
• of cable sheath	Violet
Bending radius	
• with multiple bends / minimum permissible	86 mm

## Permitted ambient conditions

Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Burning 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 properties, functions, components / general

Product property	
• silicon-free	Yes

## Standards, specifications, approvals

Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (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: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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