

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
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	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 <ul style="list-style-type: none"> • of the wire insulation • of cable sheath 	PE PVC
Color <ul style="list-style-type: none"> • of cable sheath 	Violet
Bending radius <ul style="list-style-type: none"> • with multiple bends / minimum permissible 	86 mm

Permitted ambient conditions

Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport 	-40 ... +70 °C -40 ... +70 °C -40 ... +70 °C
Burning behavior	flame resistant according to IEC 60332-1
Chemical resistance <ul style="list-style-type: none"> • 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 feature <ul style="list-style-type: none"> • silicon-free 	Yes
--	-----

Standards, specifications, approvals

Marine classification association <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) 	No No No No No No No
---	--

Further Information / Internet Links

Internet-Link <ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	http://www.siemens.com/snst http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
--	---

last modified:

08/28/2017