SIEMENS

Data sheet 6XV1830-3DN10

product type designation

product description

PROFIBUS M12-Cable

Flexible plug-in cable (2-core), preferred length, preassembled with two 5-pole M12 male/female connectors (B-coded)

PROFIBUS M12 plug-in cable (ET 200), Pre-assembled PB FC Trailing Cable with 2 M12 connectors, B-coded, 5-pole; 10 m.



suitability for use	Cable for connecting PROFIBUS stations (e.g. SIMATIC ET 200) to IP 65 degree of protection
cable designation	02YY (ST) C11Y 1x2x0,65/2,56-150 LI KF 40 FR petrol
wire length	10 m
electrical data	
number of electrical connections	2
attenuation factor per length	
at 9.6 kHz / maximum	0.003 dB/m
at 38.4 kHz / maximum	0.004 dB/m
• at 4 MHz / maximum	0.025 dB/m
• at 16 MHz / maximum	0.049 dB/m
impedance	
rated value	150 Ω
at 9.6 kHz	270 Ω
● at 38.4 kHz	185 Ω
• at 3 MHz 20 MHz	150 Ω
relative symmetrical tolerance	
 of the characteristic impedance at 9.6 kHz 	10 %
 of the characteristic impedance at 38.4 kHz 	10 %
• of the characteristic impedance at 3 MHz 20 MHz	10 %
loop resistance per length / maximum	133 mΩ/m
shield resistance per length / maximum	14 Ω/km
capacity per length / at 1 kHz	28 pF/m
operating voltage	
 RMS value 	80 V
mechanical data	
number of electrical cores	2
design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tin- plated copper wires
type of electrical connection / FastConnect	Yes
outer diameter	
of inner conductor	0.67 mm
 of the wire insulation 	2.56 mm
 of the inner sheath of the cable 	5.4 mm
of cable sheath	8 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.4 mm

UL/ETL listing / 300 V Rating Ves; CMX UL/ETL style / 600 V Rating No certificate of suitability EAC approval CE marking ROHS conformity Yes Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) No No Polski Rejestr Statkow (PRS) reference code according to IEC 81346-2 according to IEC 81346-2:2019 WGB		
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 to website: Information and Download Center to website: Selection guide for cables and http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP 	UL/ETL listing / 300 V Rating UL/ETL style / 600 V Rating certificate of suitability EAC approval CE marking RoHS conformity Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) reference code according to IEC 81346-2 according to IEC 81346-2:2019 further information / internet-Links Internet-Link to web page: selection aid TIA Selection Tool	Yes; CMX No Yes Yes Yes Yes No No No No No No No No WG WGB
• to website: Selection guide for cables and https://sie.ag/2QdlxcP	UL/ETL listing / 300 V Rating UL/ETL style / 600 V Rating Certificate of suitability EAC approval CE marking RoHS conformity Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) reference code according to IEC 81346-2 according to IEC 81346-2:2019 further information / internet-Links Internet-Link to web page: selection aid TIA Selection Tool to website: Industrial communication	Yes; CMX No Yes Yes Yes Yes No No No No No No No No No WG WGB http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net
	UL/ETL listing / 300 V Rating UL/ETL style / 600 V Rating Certificate of suitability EAC approval CE marking RoHS conformity Marine classification association American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) reference code according to IEC 81346-2 according to IEC 81346-2:2019 further information / internet-Links Internet-Link to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall	Yes; CMX No Yes Yes Yes Yes No
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• to website: Image database

• to website: CAx-Download-Manager • to website: Industry Online Support

last modified:

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

12/31/2021