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Data sheet 6XV1801-5DN10

product type designation	**Power Connecting Cable M12-180/M12-180**
product description	Flexible plug-i...able outl001 Power connecting cable M12-180/M12-180 for Power supply of the ET 200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4-pole, 10 m

suitability for use	Plug-in cable for connecting 24 V power supply to ET 200 & XP-200 with IP 65/67 degree of protection
cable designation	LI9YH-Y 4x0.75
wire length	10 m
electrical data	
operating voltage / RMS value	300 V
conductor cross section / of the power wire	0.75 mm²
mechanical data	
number of electrical cores	4
type of electrical connection	M12-180
outer diameter	
• of inner conductor	1.1 mm
• of the wire insulation	1.7 mm
• of cable sheath	5.7 mm
symmetrical tolerance of the outer diameter / of cable sheath	0.2 mm
design of stranding element	Pairs

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conductor class	5
material	
• of the conductor	CU, blank
• of the wire insulation	PP
• of cable sheath	PVC
product component / PE connection	No
marking / of cores	Color
color	
• of the power wire insulation	brown / white / blue / black
• of cable sheath	gray
bending radius	
• with single bend / minimum permissible	57 mm
• with multiple bends / minimum permissible	57 mm
• with continuous bending	57 mm
number of bending cycles	100000
tensile load / maximum	15 N
weight per length	54 kg/km

plug	
type of plug interlock	screwed
design of plug-in connection	M12-180
connector coding	M12
connector coding / of the M12 circular connector	A coded

ambient conditions	
ambient temperature	
• during operation	-25 ... +80 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
• during installation	80 °C
• note	With moving applications, the permissible operating temperature range is -5 to +80 degrees Celsius
burning behavior	Flame-resistant acc. to UL 758 (CSA FT 1)
chemical resistance	
• to mineral oil	Conditional resistance
• to grease	Conditional resistance
radiological resistance / to UV radiation	not resistant
protection class IP	IP65 / 67

product features, product functions, product components / general	
product feature	
• halogen-free	No
• silicon-free	Yes

standards, specifications, approvals

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certificate of suitability	
• EAC approval	Yes
• RoHS conformity	Yes

further information / internet-Links

Internet-Link	
• to website: Selector TIA Selection Tool	http://www.siemens.com/snst
• 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: 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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