SIEMENS

Data sheet   **6XV1801-5GE50**

product type designation	Power Connecting Cable M12-90/M12-90
product description	Flexible plug-i...able outl002
	Power connecting cable M12-90/M12-90 for power supply of the ET200, pre-assembled cable with M12 connector and M12 socket, A-coded, 4 pin 0.5m

Figure similar

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	0.5 m

electrical data

operating voltage / RMS value	300 V
conductor cross section / of the power line	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
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 line 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	M12-90
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
fire 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	
certificate of suitability	
● EAC approval	Yes
● RoHS conformity	Yes

further information / internet-Links	
Internet-Link	
● to web page: selection aid 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

last modified:	12/16/2020 ⧉