

Data sheet

6XV1801-5GH10

product type designation	Power Connecting Cable M12-90/M12-90
product description	Flexible plug-in cable outl002
	Power connecting cable M12-90/M12-90 for the power supply of the ET200, pre-assembled cable with M12 plug and M12 socket, A-coded, 4 pin 1 m.
	
Technical Product Detail Page	https://i.siemens.com/1P6XV1801-5GH10
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	1 m
electrical data	
operating voltage / RMS value	300 V
conductor cross section / of the power line	0.75 mm ²
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
ambient condition / for operation	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	
UL/ETL listing / 300 V Rating	Yes; AWM 2464/10493 AWM I/II A/B 80°C 300V FT1
certificate of suitability	UL2238 E300110
• EAC approval	Yes
• RoHS conformity	Yes
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to website: Industrial communication	https://www.siemens.com/simatic-net
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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