SIEMENS

Data sheet   6XV1801-5DN15

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, 15 m

Cable designation	LI9YH-Y 4x0.75
Wire length	15 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
Conductor class	5
Material	

• of the conductor	CU, blank
• of the wire insulation	PP
• of cable sheath	PVC
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

connector

Type of plug interlock	screwed
Design of plug-in connection	M12-180
Connector coding	M12
Connector coding / of the M12 circular connector	A coded

Permitted 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 properties, functions, components / general

Product feature	
• halogen-free	No
• silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	
• RoHS conformity	Yes

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET 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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