

product type designation

product description

7/8 inch connecting cable

Plug-in cable (5-core), preferred length, preassembled with two 5-pole 7/8 inch male/female-contact connectors

7/8" plug-in cable for Power supply of the ET 200, pre-assembled cable with 2 7/8" connectors, 5-pole, 3 m.



product brand name

SIMATIC NET

Technical Product Detail Page

<https://l.siemens.com/1P6XV1822-5BH30>

suitability for use

Power supply of ET 200 modules with 7/8 inch power port to IP 65 degree of protection

cable designation

L-Y11Y-Z 5x1x1.5 GR

wire length

3 m

electrical data

insulation resistance coefficient

1 GΩ·m

operating voltage / RMS value

600 V

conductor cross section / of the power line

1.5 mm²

continuous current / of the power lines

16 A; at 25°C (14 A at 40°C)

mechanical data

number of electrical cores

5

type of electrical connection

7/8 inch - 180

outer diameter

• of inner conductor

1.55 mm

• of the wire insulation

2.73 mm

• of cable sheath

10.5 mm

symmetrical tolerance of the outer diameter / of cable sheath

0.3 mm

design of stranding element

Pairs

conductor class

5

material

• of the conductor

CU, blank

• of the wire insulation

PVC

• of cable sheath

PUR

product component / PE connection

Yes

marking / of cores

Color, digits

color

• of the power line insulation

black

• of cable sheath

gray

bending radius

• with single bend / minimum permissible

27 mm

• with multiple bends / minimum permissible

63 mm

• with continuous bending

75 mm

number of bending cycles

5000000; For use in cable carriers, for 5 million bending cycles with a bending radius of 75 mm, an acceleration of 4 m/s² and a speed of 180 m/min

tensile load / maximum

500 N

weight per length	149 kg/km
plug	
type of plug interlock	screwed
design of plug-in connection	7/8 inch - 180
connector coding	7/8 inch
ambient conditions	
ambient temperature	
• during operation	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
• during installation	-40 ... +80 °C
fire behavior	Flame-resistant acc. to IEC 60332-1
chemical resistance	
• to mineral oil	resistant
• to grease	resistant
radiological resistance / to UV radiation	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	No
UL/ETL style / 600 V Rating	Yes
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
security information	
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Approvals / Certificates	
General Product Approval	



Declaration of Con-
formity



China RoHS

Manufacturer Declara-
tion

General Product Approval	other	Industrial Communication
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[PROFINET](#)

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