## **SIEMENS**

Data sheet 6XV1822-5BH15

## 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, 1.5 m .



cable designation  wire length  insulation resistance coefficient  operating voltage / RMS value  conductor cross section / of the power line  continuous current / of the power lines  number of electrical connection  outer diameter  of inner conductor  of the wire insulation  est of the conductor  of the conductor  of the conductor  of the wire insulation  of the wire insulation  of the wire insulation  of the power line insulation  of the product component / PE connection  of the power line insulation  of the	suitability for use	Power supply of ET 200 modules with 7/8 inch power port to IP 65 degree of protection
insulation resistance coefficient 1 GO:m operating voltage / RMS value 600 V conductor cross section / of the power lines 16 A  mechanical data number of electrical cores 5 type of electrical connection 7/8 inch - 180 outer diameter  of inner conductor 1.55 mm of cable sheath 2.73 mm of cable sheath 10.5 mm design of stranding element Pairs conductor class 5 material  of the conductor CU, blank of the wire insulation PVC of the wire insulation PVC of the wire insulation PVC of able sheath PUR product component / PE connection Yes marking / of cores Color, digits color  of the power line insulation black of the power line insulation PVC with single bend / minimum permissible of the minimum permissible of the minimum permissible of the with continuous bending output of bending cycles  onumber of bending cycles  food onumber of bending cycles  onumber of bending cycles  food onumber of bending cycles  of cable shearing of cores onumber of bending cycles with a bending number of bending cycles  onumber of bending cycles	cable designation	L-Y11Y-Z 5x1x1.5 GR
insulation resistance coefficient 0	wire length	1.5 m
operating voltage / RMS value conductor cross section / of the power line continuous current / of the power lines  mechanical data  number of electrical cores type of electrical connection outer diameter  of inner conductor of inner conductor of the wire insulation of standing element design of stranding element of the conductor of the wire insulation of the purchase of the conductor of the wire insulation of cable sheath PUR  product component / PE connection Yes marking / of cores color of the power line insulation of cable sheath gray  bending radius with single bend / minimum permissible of a marking with multiple bends / minimum permissible with multiple bends / minimum permissible of a multiple bends / minimum permissible of with continuous bending number of bending cycles  solonoon solonoo	electrical data	
conductor cross section / of the power line 1.5 mm² continuous current / of the power lines 16 A  mechanical data number of electrical cores 5 type of electrical connection 7/8 inch - 180 outer diameter  • of inner conductor 1.55 mm • of cable sheath 10.5 mm symmetrical tolerance of the outer diameter / of cable sheath 10.5 mm symmetrical tolerance of the outer diameter / of cable sheath 2.3 mm design of stranding element Pairs conductor class 5 material • 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 43 mm ewith multiple bends / minimum permissible 63 mm rumber of bending cycles size of the policy size in cable carriers, for 5 million bending cycles with a bending	insulation resistance coefficient	1 GΩ·m
continuous current / of the power lines  mechanical data  number of electrical cores type of electrical connection outer diameter  of inner conductor of the wire insulation of cable sheath symmetrical tolerance of the outer diameter / of cable sheath design of stranding element conductor class for the conductor of the onductor of the wire insulation Of the conductor of the outer diameter / of cable sheath conductor class for the conductor of the conductor of the wire insulation of the wire insulation of cable sheath puR product component / PE connection marking / of cores color of the power line insulation of the power line insulation of cable sheath punder of benefing radius out the single bend / minimum permissible out the multiple bends / minimum permissible out the multiple permissible out	operating voltage / RMS value	600 V
number of electrical cores  type of electrical connection  outer diameter  of inner conductor  of the wire insulation  electrical tolerance of the outer diameter / of cable sheath  design of stranding element  of the onductor   1.55 mm  symmetrical tolerance of the outer diameter / of cable sheath  design of stranding element  conductor class  material  of the conductor   CU, blank  of the wire insulation  of the wire insulation  PVC  of cable sheath  puR  product component / PE connection  marking / of cores  color  of the power line insulation  of the power line insulation  of cable sheath  pending radius  with single bend / minimum permissible  with multiple bends / minimum permissible  with multiple bends / minimum permissible  with continuous bending  number of bending cycles  solonoon  1.55 mm  1	conductor cross section / of the power line	1.5 mm <sup>2</sup>
number of electrical cores type of electrical connection 7/8 inch - 180  outer diameter  of inner conductor 1.55 mm of cable sheath 10.5 mm symmetrical tolerance of the outer diameter / of cable sheath design of stranding element conductor class 5 material  of the conductor of the wire insulation of the conductor of the wire insulation of cable sheath PVC product component / PE connection marking / of cores color of the power line insulation of the power line insulation of cable sheath pending radius with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending number of bending cycles  1.55 mm 10.5 mm CU, blank PVC PUR PVC Color, digits Color digits Color, digits Color digits Color digits Color digits Color digits Colo	continuous current / of the power lines	16 A
type of electrical connection  outer diameter  of inner conductor  of the wire insulation  of cable sheath  symmetrical tolerance of the outer diameter / of cable sheath  design of stranding element  conductor class  material  of the conductor  of the wire insulation  of the conductor  of the wire insulation  of cable sheath  PUR  product component / PE connection  marking / of cores  color  of the power line insulation  of cable sheath  bending radius  with single bend / minimum permissible  with multiple bends / minimum permissible  with continuous bending  number of bending cycles  1.55 mm  1.55 mm  1.55 mm  2.73 mm  0.3 mm  CU, blank  PUC  CU, blank  PVC  PUR  PUR  PUR  POR  Color, digits  27 mm  63 mm  75 mm  number of bending cycles	mechanical data	
outer diameter  of inner conductor  of the wire insulation  of cable sheath  symmetrical tolerance of the outer diameter / of cable sheath  design of stranding element  conductor class  material  of the conductor  of the wire insulation  of the wire insulation  of the wire insulation  of cable sheath  PUR  product component / PE connection  marking / of cores  color  of the power line insulation  of the power line insulation  with single bend / minimum permissible  with multiple bends / minimum permissible  with continuous bending  number of bending cycles  1.55 mm  10.5 mm  CU, blank  PVC  CU, blank  PVC  PVC  Color, digits  Color, digits  27 mm  63 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending  number of bending cycles	number of electrical cores	5
of inner conductor     of the wire insulation     of cable sheath     10.5 mm  symmetrical tolerance of the outer diameter / of cable sheath     design of stranding element     conductor class     fothe conductor     of the conductor     of the wire insulation     of cable sheath     PUR  product component / PE connection     marking / of cores     color     of cable sheath     pure     marking / of cores     color     of cable sheath     end the power line insulation     of cable sheath     punch insulation     of cable sheath     of cable sheath     of with pin insulation     of cable sheath	type of electrical connection	7/8 inch - 180
of the wire insulation     of cable sheath     10.5 mm  symmetrical tolerance of the outer diameter / of cable sheath     design of stranding element     conductor class     for the conductor     of the wire insulation     of cable sheath     product component / PE connection     marking / of cores     color     of the power line insulation     of cable sheath     purple     product component / PE connection     with single bend / minimum permissible     with multiple bends / minimum permissible     with continuous bending     with continuous bending     number of bending cycles      son am with a bending swith a bending     son cable carriers, for 5 million bending cycles with a bending	outer diameter	
of cable sheath     symmetrical tolerance of the outer diameter / of cable sheath     design of stranding element     conductor class     material     of the conductor     of the wire insulation     of cable sheath     product component / PE connection     marking / of cores     color     of the power line insulation     of cable sheath     puR  penduct component / PE connection     with single bend / minimum permissible     with multiple bends / minimum permissible     with continuous bending     number of bending cycles      10.5 mm     0.3 mm     CU, blank     PVC     PUR     PUR     PUR     Color, digits     Color, digits     color     of able sheath     gray      bending radius     with single bend / minimum permissible     with continuous bending     75 mm  number of bending cycles	<ul> <li>of inner conductor</li> </ul>	1.55 mm
symmetrical tolerance of the outer diameter / of cable sheath  design of stranding element  conductor class  material  of the conductor  of the wire insulation  of cable sheath  product component / PE connection  marking / of cores  color  of the power line insulation  of the power line insulation  with single bend / minimum permissible  with multiple bends / minimum permissible  with continuous bending  number of bending cycles  0.3 mm  0.3 mm  0.3 mm  0.4 mm  Pairs  CU, blank  PVC  PUR  PUR  Porduct component / PE connection  Yes  Color, digits  Color, digits  27 mm  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	<ul> <li>of the wire insulation</li> </ul>	2.73 mm
design of stranding element  conductor class  material  of the conductor  of the wire insulation  of cable sheath  product component / PE connection  marking / of cores  color  of the power line insulation  of cable sheath  bending radius  with single bend / minimum permissible  with multiple bends / minimum permissible  with continuous bending  number of bending cycles  tubeline  very se  CU, blank  PVC  PUR  PUR  Color, digits  Color, digits  Color, digits  27 mm  63 mm  55 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	of cable sheath	10.5 mm
conductor class  material  of the conductor  of the wire insulation  of cable sheath  product component / PE connection  marking / of cores  color  of the power line insulation  of cable sheath  bending radius  with single bend / minimum permissible  with multiple bends / minimum permissible  with continuous bending  with continuous bending  number of bending cycles  5  CU, blank  PVC  PUR  PuR  Color, digits  Color, digits  Color  black  gray  black  gray  bending radius  with single bend / minimum permissible  63 mm  75 mm  number of bending cycles  5000000; For use in cable carriers, for 5 million bending cycles with a bending	symmetrical tolerance of the outer diameter / of cable sheath	0.3 mm
material  of the conductor of the wire insulation of cable sheath PUR  product component / PE connection  marking / of cores  color of the power line insulation of cable sheath bending radius with single bend / minimum permissible owith multiple bends / minimum permissible owith continuous bending  number of bending cycles  CU, blank PVC CU, blank PVC PUR PUR  PuR  Pus  Color, digits  Color, digits  27 mm 63 mm 75 mm  For use in cable carriers, for 5 million bending cycles with a bending	design of stranding element	Pairs
of the conductor     of the wire insulation     of cable sheath     pure  product component / PE connection     marking / of cores     color     of the power line insulation     of cable sheath     pure  bending radius     with single bend / minimum permissible     with multiple bends / minimum permissible     with continuous bending number of bending cycles  CU, blank  PVC  CU, blank  PVC  Color  Yes  Color, digits  Color  black  gray  bending  pray  bending radius  27 mm  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	conductor class	5
<ul> <li>of the wire insulation</li> <li>of cable sheath</li> <li>product component / PE connection</li> <li>marking / of cores</li> <li>color</li> <li>of the power line insulation</li> <li>of cable sheath</li> <li>bending radius</li> <li>with single bend / minimum permissible</li> <li>with multiple bends / minimum permissible</li> <li>with continuous bending</li> <li>number of bending cycles</li> <li>PVC</li> <li>PUR</li> <li>PUR</li> <li>Diack</li> <li>Golor, digits</li> <li>black</li> <li>gray</li> <li></li></ul>	material	
of cable sheath     product component / PE connection         Yes         Color, digits  color     of the power line insulation     of cable sheath     bending radius     with single bend / minimum permissible     with multiple bends / minimum permissible     with continuous bending number of bending cycles  PUR  Yes  Color, digits  black  gray  black  gray  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	<ul> <li>of the conductor</li> </ul>	CU, blank
product component / PE connection  marking / of cores  Color, digits  color  of the power line insulation of cable sheath  bending radius  with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending  number of bending cycles  Yes  Color, digits  black gray  black gray  57 mm  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	<ul> <li>of the wire insulation</li> </ul>	PVC
marking / of cores  color  of the power line insulation black of cable sheath gray  bending radius  with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending  number of bending cycles  Color, digits  black gray  57 mm  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	of cable sheath	PUR
color  • of the power line insulation • of cable sheath  bending radius  • with single bend / minimum permissible • with multiple bends / minimum permissible • with continuous bending  number of bending cycles  black gray  27 mm  63 mm  75 mm  5000000; For use in cable carriers, for 5 million bending cycles with a bending	product component / PE connection	Yes
<ul> <li>of the power line insulation</li> <li>of cable sheath</li> <li>bending radius</li> <li>with single bend / minimum permissible</li> <li>with multiple bends / minimum permissible</li> <li>with continuous bending</li> <li>number of bending cycles</li> <li>black</li> <li>gray</li> <li>27 mm</li> <li>63 mm</li> <li>5000000; For use in cable carriers, for 5 million bending cycles with a bending</li> </ul>	marking / of cores	Color, digits
<ul> <li>of cable sheath</li> <li>bending radius</li> <li>with single bend / minimum permissible</li> <li>with multiple bends / minimum permissible</li> <li>with continuous bending</li> <li>number of bending cycles</li> <li>gray</li> <li>gray</li> <li>mm</li> <li>mm</li> <li>south continuous bending</li> <li>75 mm</li> <li>south carriers, for 5 million bending cycles with a bending</li> </ul>	color	
bending radius  • with single bend / minimum permissible  • with multiple bends / minimum permissible  • with continuous bending  number of bending cycles  5000000; For use in cable carriers, for 5 million bending cycles with a bending	<ul> <li>of the power line insulation</li> </ul>	black
<ul> <li>with single bend / minimum permissible</li> <li>with multiple bends / minimum permissible</li> <li>with continuous bending</li> <li>number of bending cycles</li> <li>27 mm</li> <li>63 mm</li> <li>75 mm</li> <li>5000000; For use in cable carriers, for 5 million bending cycles with a bending</li> </ul>	of cable sheath	gray
<ul> <li>with multiple bends / minimum permissible</li> <li>with continuous bending</li> <li>number of bending cycles</li> <li>5000000; For use in cable carriers, for 5 million bending cycles with a bending</li> </ul>	bending radius	
<ul> <li>with continuous bending</li> <li>number of bending cycles</li> <li>5000000; For use in cable carriers, for 5 million bending cycles with a bending</li> </ul>	<ul> <li>with single bend / minimum permissible</li> </ul>	27 mm
number of bending cycles 5000000; For use in cable carriers, for 5 million bending cycles with a bending	<ul> <li>with multiple bends / minimum permissible</li> </ul>	63 mm
number of bending cycles 5000000; For use in cable carriers, for 5 million bending cycles with a bending	with continuous bending	75 mm
radius of 75 mm, an acceleration of 4 m/s² and a speed of 180 m/min	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	tensile load / maximum	500 N
weight per length 149 kg/km	weight per length	149 kg/km
plug	plug	
type of plug interlock screwed	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		
<ul><li>halogen-free</li></ul>	No	
• silicon-free	Yes	
standards, specifications, approvals		
UL/ETL listing / 300 V Rating	No	
UL/ETL style / 600 V Rating	Yes	
certificate of suitability		
<ul> <li>EAC approval</li> </ul>	Yes	
<ul> <li>RoHS conformity</li> </ul>	Yes	
further information / internet links		
internet link		
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool	
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net	
• to website: Industry Mall	https://mall.industry.siemens.com	
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter	
• to website: Selection guide for cables and connectors	https://sie.ag/2QdlxcP	
• to website: Image database	http://automation.siemens.com/bilddb	
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