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 onumber of bending cycles of cable sheading permissible onumber of pending cycles with a bending number of bending cycles with a bending number 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 the wire insulation of standing element esign of stranding element of the conductor of the wire insulation of cable sheath PUR product component / PE connection of the power line insulation of cable sheath product component / PE connection of the power line insulation of cable sheath punder product component / PE connection of the power line insulation of cable sheath of the power line insulation of cable sheath of the power line insulation of cable sheath pula 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 multiple bends / minimum permissible of a multiple bends / minimum permissible of a multiple bends / minimum permissible of some of cable carriers, for 5 million bending cycles with a bending number of bending cycles sources ocolor ocolor or with continuous bending occolor; for use in cable carriers, for 5 million bending cycles with a bending | 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 2.73 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 3 mm • with multiple bends / minimum permissible 63 mm number of bending cycles food the power 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 outer diameter / of cable sheath design of stranding element 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 with multiple bends / minimum permissible with multiple bends / minimum permissible of smm with multiple bends / minimum permissible owith continuous bending number of bending cycles source in cable carriers, for 5 million bending cycles with a bending | 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 ² |
| 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 for the conductor of the wire insulation of cable sheath PUC of cable sheath product component / PE connection marking / of cores color of the power line insulation of cable sheath pund in gradius of cable sheath with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending with continuous bending number of bending cycles 1.55 mm 10.5 mm 10.5 mm 10.3 mm CU, blank PVC CU, blank PVC CU, blank PVC cultinum CU, blank PVC cultinum CU, blank PVC cultinum PVC cultinum PVC cultinum | 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 purply product component / PE connection with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending with continuous bending number of bending cycles 10.5 mm 10.5 mm 0.3 mm CU, blank PVC PUR PUR PUR Color, digits color of the power line insulation black gray bending radius with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending 75 mm number of bending cycles 5000000; For use in 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 | of inner conductor | 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 | of the wire insulation | 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 10 mm 10 | 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 |
| 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 PVC PUR PUR Diack Golor, digits black gray | 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 | of the conductor | 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 | of the wire insulation | 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 |
| 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 5000000; For use in cable carriers, for 5 million bending cycles with a bending | marking / of cores | Color, digits |
| of cable sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending number of bending cycles gray gray mm mm south continuous bending 75 mm south carriers, for 5 million bending cycles with a bending | 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 | of the power line insulation | black |
| with single bend / minimum permissible with multiple bends / minimum permissible with continuous bending number of bending cycles 27 mm 63 mm 75 mm 5000000; For use in cable carriers, for 5 million bending cycles with a bending | of cable sheath | gray |
| 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 | bending radius | |
| with continuous bending number of bending cycles 5000000; For use in cable carriers, for 5 million bending cycles with a bending | with single bend / minimum permissible | 27 mm |
| number of bending cycles 5000000; For use in cable carriers, for 5 million bending cycles with a bending | with multiple bends / minimum permissible | 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 |

| | 7 0.1 1 400 |
|---|---|
| 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 / gen | eral |
| 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 |
| reference code | |
| according to IEC 81346-2:2019 | WDB |
| 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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General Product Approval

Environment



Declaration of Conformity





Manufacturer Declaration Confirmation

Industrial Communication

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