SIEMENS

Data sheet 6NH7701-0AR

product type designation

product description

Cable SINAUT ST7, CC 701-0A

Plug-in cable, preferred length, preassembled

SINAUT ST7, Test cable for connection of two TIMS via the RS232 interface without intermediate connection of modems (null modem); Cable length 6 $\rm m$



Figure similar

| cable designation LIYCY- 10x1x0,14 wire length 6 m locetrical data number of electrical connections 2 insulation resistance coefficient 20 GΩ·m capacity per length / at 1 kHz inductance per length 0,55 μH/m operating voltage • RMS value • maximum 350 V mechanical data number of electrical cores design of the shield outer diameter • of inner conductor • of cable sheath of othe wire insulation • of the wire insulation • of the wire insulation • of othe insulation of data wires • of cable sheath Dending radius • with single bend / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible • during operation • during operation • during installation • flame resistance | suitability for use | For connecting two TIM modules via an RS232 interface without modems |
|--|--|--|
| electrical data number of electrical connections 2 insulation resistance coefficient 20 GΩ·m capacity per length / at 1 kHz inductance per length operating voltage • RMS value • maximum 350 V mechanical data number of electrical cores design of the shield outer diameter • of inner conductor • of cable sheath • of the wire insulation • of cable sheath PVC color • of the insulation of data wires • of the insulation of data wires • with single bend / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible • during tranger • during storage • during installation fire behavior | cable designation | LIYCY- 10x1x0,14 |
| number of electrical connections 2 insulation resistance coefficient 20 GΩ·m capacity per length / at 1 kHz inductance per length operating voltage • RMS value • To electrical cores design of the shield number of electrical cores design of the shield souter diameter • of inner conductor • of cable sheath e of the wire insulation • of cable sheath pVC color • of the insulation of data wires • of othe insulation of data wires • with single bend / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible of temperature • during operation • during storage • during storage • during strasport • during installation 70 °C fire behavior | wire length | 6 m |
| insulation resistance coefficient capacity per length / at 1 kHz inductance per length operating voltage ● RMS value ● maximum 350 V mechanical data number of electrical cores design of the shield Outer diameter ● of cable sheath of the wire insulation of data wires ● of cable sheath color ● of the insulation of data wires ● of cable sheath with single bend / minimum permissible ● with multiple bends / minimum permissible ● with multiple bends / minimum permissible • during operation ● during storage ● during storage ● during transport ● during installation 70 °C fire behavior | electrical data | |
| capacity per length / at 1 kHz 160 pF/m inductance per length 0.65 µH/m operating voltage • RMS value 250 V • maximum 350 V mechanical data number of electrical cores 10 design of the shield outer diameter • of inner conductor 0.14 mm • of cable sheath 6.1 mm material • of the wire insulation PVC color • of cable sheath PVC color • of the insulation of data wires various colors according to DIN 47100 gray bending radius • with multiple bends / minimum permissible 61 mm with multiple bends / minimum permissible 66 kg/km ambient conditions ambient temperature • during operation -5 +70 °C • during storage -5 +70 °C • during finstallation 70 °C fire behavior flame resistant according to IEC 60332-1 | number of electrical connections | 2 |
| inductance per length operating voltage • RMS value • maximum 350 V mechanical data number of electrical cores design of the shield outer diameter • of inner conductor • of cable sheath material • of the wire insulation • of cable sheath color • of the insulation of data wires • of cable sheath bending radius • with single bend / minimum permissible • with miltiple bends / minimum permissible • during transport • during storage • during transport • during installation • during installation • during installation • fine behavior 0.06 W 250 V 250 V 250 V 250 V 260 V 260 V 270 V 4 during installation 70 °C flame resistant according to IEC 60332-1 | insulation resistance coefficient | 20 GΩ·m |
| operating voltage • RMS value • maximum number of electrical cores design of the shield outer diameter • of inner conductor • of cable sheath material • of the wire insulation • of cable sheath color • of the insulation of data wires • of cable sheath pvC • of the insulation of data wires • of cable sheath bending radius • with single bend / minimum permissible • with single bends / minimum permissible 66 kg/km ambient conditions ambient temperature • during operation • during storage • during transport • during installation 70 °C fire behavior flame resistant according to IEC 60332-1 | capacity per length / at 1 kHz | 160 pF/m |
| • RMS value • maximum 350 V mechanical data number of electrical cores design of the shield outer diameter • of inner conductor • of cable sheath for the wire insulation • of table sheath • of the insulation of data wires • of cable sheath color • of the insulation of data wires • with single bend / minimum permissible • with multiple bends / minimum permissible • during torage • during transport • during installation • during installation • of color • during installation • during installation • fire behavior • flame resistant according to IEC 60332-1 | inductance per length | 0.65 μH/m |
| maximum mechanical data number of electrical cores design of the shield number of of inner conductor of cable sheath of cable sheath of the wire insulation of cable sheath PVC of cable sheath pvC of cable sheath color of the insulation of data wires of cable sheath pending radius with single bend / minimum permissible with multiple bends / minimum permissible with multiple bends / minimum permissible of during operation during storage during storage during transport during installation fine behavior fine behavior 10 Braided shield made of tin-plated copper wires 10 0.14 mm exit mm straid PVC PVC various colors according to DIN 47100 gray bending to DIN 47100 gray bending to DIN 47100 gray bending to DIN 47100 gray colors according to DIN 47100 gray bending to DIN 47100 gray colors according to DIN 47100 gray bending to DIN 47100 gray colors according to DIN 47100 gray bending to DIN 47100 gray colors according to DIN 47100 gray bending to | operating voltage | |
| number of electrical cores design of the shield Design of the shield Outer diameter of inner conductor of cable sheath material of the wire insulation of cable sheath PVC color of the insulation of data wires of cable sheath pending radius with single bend / minimum permissible wight per length material of the minimum permissible of cable sheath | RMS value | 250 V |
| number of electrical cores design of the shield Design of the shield Outer diameter of inner conductor of cable sheath of the wire insulation of cable sheath PVC of able sheath PVC of the insulation of data wires of cable sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible of the mm weight per length ambient conditions ambient temperature of during storage of during storage of during installation flame resistant according to IEC 60332-1 | • maximum | 350 V |
| design of the shield outer diameter of inner conductor of cable sheath of the wire insulation of cable sheath PVC of cable sheath of the wire insulation of cable sheath PVC of cable sheath pvC of the insulation of data wires of cable sheath bending radius of with single bend / minimum permissible of with multiple bends / minimum permissible of dating transport of during storage of during storage of during transport of during installation fire behavior Braided shield made of tin-plated copper wires 0.14 mm 0.14 mm 0.14 mm 0.17 mm 0.18 mm 0.18 mm 0.19 mm 0.19 mm 0.19 mm 0.10 mm | mechanical data | |
| outer diameter | number of electrical cores | 10 |
| of inner conductor of cable sheath of the wire insulation of cable sheath PVC of cable sheath PVC color of the insulation of data wires various colors according to DIN 47100 of cable sheath gray bending radius with single bend / minimum permissible with multiple bends / minimum permissible with multiple bends / minimum permissible 66 kg/km ambient conditions ambient temperature during operation during storage during transport during installation flame resistant according to IEC 60332-1 | design of the shield | Braided shield made of tin-plated copper wires |
| of cable sheath material of the wire insulation of cable sheath PVC olor of the insulation of data wires of cable sheath of cable sheath of cable sheath of cable sheath bending radius owith single bend / minimum permissible owith multiple bends / minimum permissible owith multiple bends / minimum permissible of cable sheath or sheath or cable sheath | outer diameter | |
| material of the wire insulation of cable sheath PVC color of the insulation of data wires of cable sheath gray bending radius with single bend / minimum permissible with multiple bends / minimum permissible of the minimum permissible of the insulation of data wires various colors according to DIN 47100 gray bending radius of the insulation of data wires various colors according to DIN 47100 gray bending radius of the insulation of data wires various colors according to DIN 47100 gray and and of cable sheath gray 61 mm 66 kg/km ambient conditions ambient temperature of during operation of the insulation of the wire insulation of the wire insulation of the wire insulation provided of the wire insulation of the wire insulation provided of the wire insulation of the wire ins | of inner conductor | 0.14 mm |
| of the wire insulation of cable sheath PVC color of the insulation of data wires of cable sheath provided sheath provided sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible with multiple bends / minimum permissible weight per length during operation during storage during transport during installation fire behavior PVC various colors according to DIN 47100 and the measure of the insulation pray bands and and and and and and and | of cable sheath | 6.1 mm |
| of cable sheath color of the insulation of data wires of cable sheath pray bending radius with single bend / minimum permissible with multiple bends / minimum permissible with multiple bends / minimum permissible of cable sheath of cable sheath pray ansigle bend / minimum permissible of 1 mm weight per length ambient conditions ambient temperature oduring operation of +70 °C oduring storage oduring transport oduring installation fire behavior PVC various colors according to DIN 47100 61 mm 62 mm 63 kg/km | material | |
| color • of the insulation of data wires • of cable sheath bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible • with multiple bends / minimum permissible 61 mm weight per length 66 kg/km ambient conditions ambient temperature • during operation • during storage • during storage • during transport • during installation 70 °C fire behavior flame resistant according to DIN 47100 pray to DIN 47100 5 +700 6 +700 C flame resistant according to DIN 47100 flame resistant according to IEC 60332-1 | of the wire insulation | PVC |
| of the insulation of data wires of cable sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible 61 mm weight per length 66 kg/km ambient conditions ambient temperature during operation during storage during transport during installation flame resistant according to DIN 47100 DIN 47100 DIN 47100 DIN 47100 Sumb DIN 47100 Sumb DIN 47100 Sumb DIN 47100 Sumb Sumb<td> of cable sheath </td><td>PVC</td> | of cable sheath | PVC |
| of cable sheath bending radius with single bend / minimum permissible with multiple bends / minimum permissible 61 mm weight per length 66 kg/km ambient conditions ambient temperature during operation during storage during transport during installation flame resistant according to IEC 60332-1 | color | |
| bending radius • with single bend / minimum permissible • with multiple bends / minimum permissible 61 mm weight per length 66 kg/km ambient conditions ambient temperature • during operation • during storage • during transport • during installation fire behavior 5 +70 °C -5 +70 °C | of the insulation of data wires | various colors according to DIN 47100 |
| with single bend / minimum permissible with multiple bends / minimum permissible weight per length 66 kg/km ambient conditions ambient temperature during operation during storage during transport during installation 70 °C during installation flame resistant according to IEC 60332-1 | of cable sheath | gray |
| with multiple bends / minimum permissible weight per length 66 kg/km ambient conditions ambient temperature during operation -5 +70 °C during storage during transport during installation 70 °C fire behavior flame resistant according to IEC 60332-1 | bending radius | |
| weight per length ambient conditions ambient temperature • during operation • during storage • during transport • during installation fire behavior 66 kg/km 66 kg/km 66 kg/km 66 kg/km 67 °C 5 +70 °C 5 +70 °C 6 uring transport 70 °C flame resistant according to IEC 60332-1 | with single bend / minimum permissible | 30.5 mm |
| ambient conditions ambient temperature | with multiple bends / minimum permissible | 61 mm |
| ambient temperature • during operation • during storage • during transport • during installation 70 °C fire behavior -5 +70 °C | weight per length | 66 kg/km |
| during operation during storage the during transport during installation during installation during behavior the during transport the during transport the during installation the during transport the dur | ambient conditions | |
| during storage during transport during installation 70 °C during installation fire behavior flame resistant according to IEC 60332-1 | ambient temperature | |
| during transport during installation 70 °C fire behavior flame resistant according to IEC 60332-1 | during operation | -5 +70 °C |
| ● during installation 70 °C fire behavior flame resistant according to IEC 60332-1 | during storage | -5 +70 °C |
| fire behavior flame resistant according to IEC 60332-1 | during transport | -5 +70 °C |
| | during installation | 70 °C |
| chemical resistance | fire behavior | flame resistant according to IEC 60332-1 |
| | chemical resistance | |

| • to mineral oil | conditional resistance |
|---|--|
| • to grease | Conditional resistance |
| radiological resistance / to UV radiation | not resistant |
| product features, product functions, product components / general | |
| product feature | |
| halogen-free | No |
| • silicon-free | Yes |
| standards, specifications, approvals | |
| Marine classification association | |
| American Bureau of Shipping Europe Ltd. (ABS) | No |
| French marine classification society (BV) | No |
| Det Norske Veritas (DNV) | No |
| Germanische Lloyd (GL) | No |
| Lloyds Register of Shipping (LRS) | No |
| Nippon Kaiji Kyokai (NK) | No |
| Polski Rejestr Statkow (PRS) | No |
| reference code | |
| • acc. to IEC 81346-2 | WG |
| according to IEC 81346-2:2019 | WGB |
| further information / internet-Links | |
| Internet-Link | |
| to web page: selection aid TIA Selection Tool | http://www.siemens.com/tia-selection-tool |
| 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 |
| | |

12/31/2021 🗗

last modified: