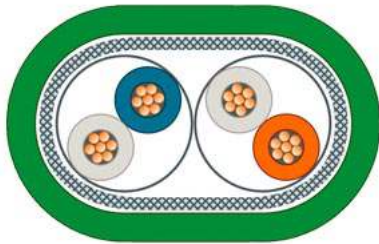



product description

Patch cable, preferred length, preassembled with two RJ45 connectors (10/100MB)

Industrial Ethernet TP Cord RJ45/RJ45, TP cord pre-assembled with 2 RJ45 plug, length 2 m.



| | |
|---|--|
| suitability for use | Easy connection of terminal devices to the IE FC cabling system |
| cable designation | LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN |
| wire length | 2 m |
| electrical data | |
| number of electrical connections | 2 |
| attenuation factor per length | |
| • at 10 MHz / maximum | 0.09 dB/m |
| • at 100 MHz / maximum | 0.285 dB/m |
| • at 300 MHz / maximum | 0.495 dB/m |
| • at 600 MHz / maximum | 0.75 dB/m |
| impedance | |
| • at 1 MHz ... 100 MHz | 100 Ω |
| • at 10 MHz ... 600 MHz | 100 Ω |
| relative symmetrical tolerance | |
| • of the characteristic impedance at 1 MHz ... 100 MHz | 15 % |
| • of the characteristic impedance at 10 MHz ... 600 MHz | 6 % |
| transfer impedance per length / at 10 MHz | 10 mΩ/m |
| loop resistance per length / maximum | 300 mΩ/m |
| insulation resistance coefficient | 150 GΩ·m |
| operating voltage | |
| • RMS value | 80 V |
| mechanical data | |
| number of electrical cores | 4 |
| design of the shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tinned copper wires |
| core diameter | |
| • of AWG26 insulated conductor | 0.48 mm |
| outer diameter | |
| • of inner conductor | 0.48 mm |
| • of the wire insulation | 0.98 mm |
| width / of cable sheath | 5.8 mm |
| symmetrical tolerance of width / of cable sheath | 0.2 mm |
| thickness / of cable sheath | 3.7 mm |
| symmetrical tolerance of thickness / of cable sheath | 0.2 mm |
| material | |
| • of the wire insulation | polyethylene (PE) |

| | |
|---|--|
| <ul style="list-style-type: none"> • of cable sheath | PVC |
| color | |
| <ul style="list-style-type: none"> • of the insulation of data wires • of cable sheath | white/blue, white/orange green |
| bending radius | |
| <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible | 24 mm 42 mm |
| weight per length | 32 kg/km |
| ambient conditions | |
| ambient temperature | |
| <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation | -40 ... +70 °C -40 ... +70 °C -40 ... +70 °C -40 ... +70 °C |
| fire behavior | flame resistant according to IEC 60332-2-1 |
| chemical resistance | |
| <ul style="list-style-type: none"> • to mineral oil • to grease | oil resistant according to IEC 60811-2-1 (4 h / 70°C) Conditional resistance |
| protection class IP | IP20 |
| product features, product functions, product components / general | |
| product feature | |
| <ul style="list-style-type: none"> • halogen-free • silicon-free | No Yes |
| standards, specifications, approvals | |
| UL/ETL listing / 300 V Rating | No |
| UL/ETL style / 600 V Rating | No |
| certificate of suitability | |
| <ul style="list-style-type: none"> • EAC approval • UL approval | Yes Yes |
| standard for structured cabling | Cat5 |
| Marine classification association | |
| <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) • Det Norske Veritas (DNV) • Germanische Lloyd (GL) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (NK) • Polski Rejestr Statkow (PRS) | No No No No No No No |
| reference code | |
| <ul style="list-style-type: none"> • according to IEC 81346-2 • according to IEC 81346-2:2019 | WG WGB |
| further information / internet-Links | |
| Internet-Link | |
| <ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support | http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com |
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