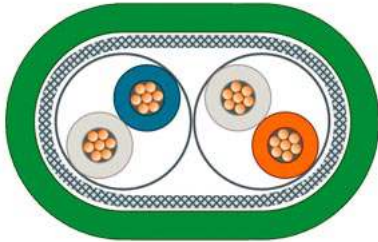



product description

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 10 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   | 10 m   |
| <b>electrical data</b>                                  |  |
| 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   |
| <b>mechanical data</b>                                  |  |
| 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"> <li>• of cable sheath</li> </ul>   | PVC  |
| color   |  |
| <ul style="list-style-type: none"> <li>• of the insulation of data wires</li> <li>• of cable sheath</li> </ul>  | white/blue, white/orange<br>green  |
| bending radius  |  |
| <ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>   | 24 mm<br>42 mm   |
| weight per length   | 32 kg/km   |
| <b>ambient conditions</b>   |  |
| ambient temperature   |  |
| <ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>   | -40 ... +70 °C<br>-40 ... +70 °C<br>-40 ... +70 °C<br>-40 ... +70 °C   |
| fire behavior   | flame resistant according to IEC 60332-2-1   |
| chemical resistance   |  |
| <ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>   | oil resistant according to IEC 60811-2-1 (4 h / 70°C)<br>Conditional resistance  |
| protection class IP   | IP20   |
| <b>product features, product functions, product components / general</b>  |  |
| product feature   |  |
| <ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>  | No<br>Yes  |
| <b>standards, specifications, approvals</b>   |  |
| UL/ETL listing / 300 V Rating   | No   |
| UL/ETL style / 600 V Rating   | No   |
| certificate of suitability  |  |
| <ul style="list-style-type: none"> <li>• EAC approval</li> <li>• UL approval</li> </ul>   | Yes<br>Yes   |
| standard for structured cabling   | Cat5   |
| Marine classification association   |  |
| <ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> </ul>   | No<br>No<br>No<br>No<br>No<br>No<br>No   |
| reference code  |  |
| <ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>   | WG<br>WGB  |
| <b>further information / internet-Links</b>   |  |
| Internet-Link   |  |
| <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Selection guide for cables and connectors</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a><br><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |
| <b>last modified:</b>   | 1/14/2022   |