

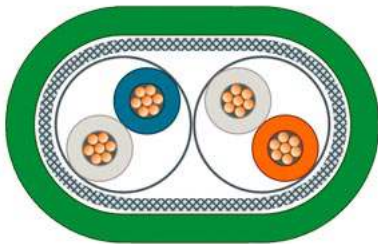
product type designation

product description

IE TP Cord 9/RJ45, 2x2

Patch cable, preferred length, preassembled with one 9-pole D-sub connector and one RJ45 connector

Industrial Ethernet TP Cord 9/RJ45, TP cord pre-assembled with 1x RJ45 connector and 1x 9-pole ITP connector length 1 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

1 m

electrical data

number of electrical connections

2

attenuation factor per length

- at 10 MHz / maximum
- at 100 MHz / maximum
- at 300 MHz / maximum
- at 600 MHz / maximum

0.085 dB/m
0.278 dB/m
0.5 dB/m
0.733 dB/m

impedance

- at 1 MHz ... 100 MHz
- at 10 MHz ... 600 MHz

100 Ω
100 Ω

relative symmetrical tolerance

- of the characteristic impedance at 1 MHz ... 100 MHz
- of the characteristic impedance at 10 MHz ... 600 MHz

15 %
6 %

transfer impedance per length / at 10 MHz

10 mΩ/m

loop resistance per length / maximum

300 mΩ/m

insulation resistance coefficient

500 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
- of the wire insulation

0.48 mm
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

| | |
|---|--|
| <ul style="list-style-type: none"> • of the wire insulation • of cable sheath | polyethylene (PE) 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 60332-1 |
| 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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