

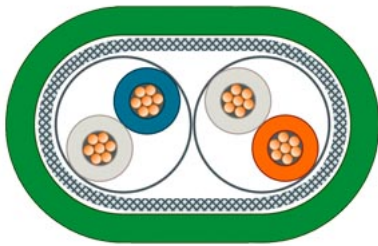
product type designation

product description

IE TP Cord RJ45/15, 2x2

Patch cable, preferred length, preassembled with one 15-pole D-sub connector and one RJ45 connector

Industrial Ethernet TP Cord 15/RJ45, TP cord pre-assembled with 1x RJ45 connector and 1x 15-pole ITP connector, Length 0.5 m.



Technical Product Detail Page

<https://i.siemens.com/1P6XV1850-2LE50>

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

0.5 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 tin-plated 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 60332-1 |
| 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 |
| further information / internet links | |
| internet link | |
| <ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support | https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com |
| security information | |
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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[China RoHS](#)

[Fire safety / Physical security](#)

General Product Approval



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