

Product type designation

Product description

IE TP XP Cord RJ45/15, 2x2

Crossover patch cable, preferred length, preassembled with one 15-pole D-sub connector and one RJ45 connector
SIMATIC NET, IND. ETHERNET TP XP CORD 15/RJ45, CROSSED
TP CORD PREASS. W. 1 X 15-PIN ITP CONN., CROSSED
TRANSMISSION AND RECEPTION CABLE LENGTH 10 M



| | |
|---------------------|---|
| Suitability for use | Easy connection of data terminals to the IE FC cabling system |
| Cable designation | LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN |
| Cable length | 10 m |

Electrical data

| | |
|---|---|
| Damping ratio per length | |
| <ul style="list-style-type: none"> • at 10 MHz / maximum • at 100 MHz / maximum • at 300 MHz / maximum • at 600 MHz / maximum | <p>0.09 dB/m</p> <p>0.285 dB/m</p> <p>0.495 dB/m</p> <p>0.75 dB/m</p> |
| Impedance | |
| <ul style="list-style-type: none"> • at 1 MHz ... 100 MHz • at 10 MHz ... 600 MHz | <p>100 Ω</p> <p>100 Ω</p> |
| Relative symmetrical tolerance | |
| <ul style="list-style-type: none"> • of the characteristic impedance at 1 MHz ... 100 MHz • of the characteristic impedance at 10 MHz ... 600 MHz | <p>15 %</p> <p>6 %</p> |
| Transfer impedance per length / at 10 MHz | 10 mΩ/m |
| Loop resistance per length / maximum | 300 mΩ/m |
| Insulation resistance coefficient | 150 GΩ·m |

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 | 0.48 m |
| <ul style="list-style-type: none"> • of AWG26 core | |
| Outer diameter | |
| <ul style="list-style-type: none"> • 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 | 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 |

Permitted 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 |
| Burning behavior | flame resistant according to DIN VDE 0472, Teil 804, Prüftart B |
| 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 properties, functions, components / general

| | |
|--|-----------|
| Product property | |
| <ul style="list-style-type: none"> • halogen-free • silicon-free | No Yes |

Standards, specifications, approvals

| | |
|---|------|
| Certificate of suitability | |
| <ul style="list-style-type: none"> • UL approval | Yes |
| Standard for structured cabling | Cat7 |
| Marine classification association | |

- American Bureau of Shipping Europe Ltd. (ABS)
- Bureau Veritas (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

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/snst>
<http://www.siemens.com/simatic-net>
<https://mall.industry.siemens.com>
<http://www.siemens.com/automation/net/catalog>
<http://automation.siemens.com/bilddb>
<http://www.siemens.com/cax>
<https://support.industry.siemens.com>

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