

Product type designation

Product description

IE TP Cord RJ45/RJ45, 4x2

Patch cable, preferred length, preassembled with two RJ45 connectors (10/100/1000/10000MB)

SIMATIC NET, IND. ETHERNET TP CORD RJ45/RJ45, CAT 6A, TP CABLE 4X2, PREASSEMBLED W/ 2 RJ45 CONNECTORS,LENGTH 30M



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|---------------------|---|
| Suitability for use | Easy connection of data terminals to the IE FC cabling system |
| Cable designation | LI 02YSCH 4x2x0,15 PIMF GN FRNC |
| Cable length | 30 m |

Electrical data

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|---|---|
| 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 | 0.086 dB/m 0.28 dB/m 0.501 dB/m 0.735 dB/m |
| Impedance | |
| <ul style="list-style-type: none"> at 1 MHz ... 100 MHz at 10 MHz ... 600 MHz | 100 Ω 100 Ω |
| 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 | 15 % 10 % |
| Transfer impedance per length / at 10 MHz | 10 mΩ/m |
| Loop resistance per length / maximum | 290 mΩ/m |
| NVP value in percent | 80 % |

Mechanical data

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|----------------------------|---|
| Number of electrical cores | 8 |
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| Design of the shield | Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires |
| Core diameter <ul style="list-style-type: none"> • of AWG26 core | 0.5 mm |
| Outer diameter <ul style="list-style-type: none"> • of inner conductor • of the wire insulation • of cable sheath | 0.5 mm 1 mm 6.2 mm |
| Symmetrical tolerance of the outer diameter / of cable sheath | 0.3 mm |
| Material <ul style="list-style-type: none"> • of the wire insulation • of cable sheath | PE FRNC |
| Color <ul style="list-style-type: none"> • of the insulation of data wires • of cable sheath | white/blue, white/orange, white/green, white/brown green |
| Bending radius <ul style="list-style-type: none"> • with single bend / minimum permissible • with multiple bends / minimum permissible | 31 mm 43.5 mm |
| Weight per length | 50 kg/km |

Permitted ambient conditions

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|---|---|
| Ambient temperature <ul style="list-style-type: none"> • during operation • during storage • during transport • during installation • Note | -25 ... +80 °C -25 ... +80 °C -25 ... +80 °C -25 ... +80 °C in fixed installation -40°C to 80°C |
| Burning 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 properties, functions, components / general

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|---|------------|
| Product property <ul style="list-style-type: none"> • halogen-free • silicon-free | Yes Yes |
|---|------------|

Standards, specifications, approvals

| | |
|--|-------|
| Certificate of suitability <ul style="list-style-type: none"> • UL approval | Yes |
| Standard for structured cabling | Cat6A |
| 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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