

Product type designation

Product description

IE TP Converter Cord 15/RJ45

Patch cable, preferred length, preassembled with one 15-pole D-sub female connector (slide lock) and one RJ45 connector
SIMATIC NET, TP CONVERTER CORD 15/RJ45 FOR INDUSTR.
ETHERNET TP CORD, PREASS. W. 1 X 15-PIN ITP SOCKET AND
1 X RJ45 PLUG, F. CONN. TERMINALS W. RJ45 IF TO THE ITP
CABLING SYSTEM, W. MOUNT. BRACKET, LENGTH: 0.5 M



Figure similar

Suitability for use	Easy connection of data terminals to the ITP cabling system
Cable designation	LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN
Cable length	0.5 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
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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 	0.48 mm
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 	white/blue, white/orange
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, IEC 60332-1
Chemical resistance <ul style="list-style-type: none"> • to mineral oil • to grease 	Conditional resistance 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
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Standards, specifications, approvals

Standard for structured cabling	Cat5e
Marine classification association <ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) • Bureau Veritas (BV) 	No No

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|-------------------------------------|----|
| • Det Norske Veritas (DNV) | No |
| • Germanische Lloyd (GL) | No |
| • Lloyds Register of Shipping (LRS) | No |
| • Nippon Kaiji Kyokai (NK) | No |
| • Polski Rejestr Statkow (PRS) | No |

Further Information / Internet Links

Internet-Link

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|---|---|
| • to website: Selector SIMATIC NET SELECTION TOOL | http://www.siemens.com/snst |
| • to website: Industrial communication | http://www.siemens.com/simatic-net |
| • to website: Industry Mall | https://mall.industry.siemens.com |
| • to website: Information and Download Center | http://www.siemens.com/automation/net/catalog |
| • to website: Image database | http://automation.siemens.com/bilddb |
| • to website: CAx Download Manager | http://www.siemens.com/cax |
| • to website: Industry Online Support | https://support.industry.siemens.com |

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