

product description

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

Industrial Ethernet TP Cord RJ45/RJ45, TP cord pre-assembled with 2 RJ45 plug, 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	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
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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
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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)
• of cable sheath	PVC

color

• of the insulation of data wires	white/blue, white/orange
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<ul style="list-style-type: none"> • of cable sheath 	green
bending radius	
<ul style="list-style-type: none"> • with single bend / minimum permissible 	24 mm
<ul style="list-style-type: none"> • with multiple bends / minimum permissible 	42 mm
weight per length	32 kg/km
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation 	-40 ... +70 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
<ul style="list-style-type: none"> • during installation 	-40 ... +70 °C
fire behavior	flame resistant according to IEC 60332-2-1
chemical resistance	
<ul style="list-style-type: none"> • to mineral oil 	oil resistant according to IEC 60811-2-1 (4 h / 70°C)
<ul style="list-style-type: none"> • to grease 	Conditional resistance
protection class IP	IP20
product features, product functions, product components / general	
product feature	
<ul style="list-style-type: none"> • halogen-free 	No
<ul style="list-style-type: none"> • silicon-free 	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 	Yes
<ul style="list-style-type: none"> • UL approval 	Yes
standard for structured cabling	Cat5
Marine classification association	
<ul style="list-style-type: none"> • American Bureau of Shipping Europe Ltd. (ABS) 	No
<ul style="list-style-type: none"> • French marine classification society (BV) 	No
<ul style="list-style-type: none"> • Det Norske Veritas (DNV) 	No
<ul style="list-style-type: none"> • Germanische Lloyd (GL) 	No
<ul style="list-style-type: none"> • Lloyds Register of Shipping (LRS) 	No
<ul style="list-style-type: none"> • Nippon Kaiji Kyokai (NK) 	No
<ul style="list-style-type: none"> • Polski Rejestr Statkow (PRS) 	No
reference code	
<ul style="list-style-type: none"> • according to IEC 81346-2 	WG
<ul style="list-style-type: none"> • according to IEC 81346-2:2019 	WGB
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors 	https://support.industry.siemens.com/cs/ww/en/view/109766358
<ul style="list-style-type: none"> • to web page: selection aid TIA Selection Tool 	https://www.siemens.com/tstcloud
<ul style="list-style-type: none"> • to web page: SiePortal 	https://sieportal.siemens.com/
<ul style="list-style-type: none"> • to website: Image database 	https://www.automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx-Download-Manager 	https://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com
security information	
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Approvals / Certificates

General Product Approval

[Manufacturer Declaration](#)



[Declaration of Conformity](#)



Test Certificates	Environment	Industrial Communication
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[Special Test Certificate](#)

[Confirmation](#)

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