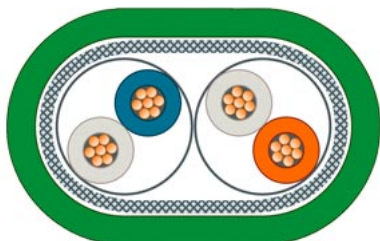


### product description

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 $\Omega$
• at 10 MHz ... 600 MHz	100 $\Omega$

#### 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 m $\Omega$ /m

#### loop resistance per length / maximum

300 m $\Omega$ /m

#### insulation resistance coefficient

150 G $\Omega$ ·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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• of cable sheath	green
bending radius	
• with single bend / minimum permissible	24 mm
• with multiple bends / minimum permissible	42 mm
weight per length	32 kg/km
<b>ambient conditions</b>	
ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• during installation	-40 ... +70 °C
fire behavior	flame resistant according to IEC 60332-2-1
chemical resistance	
• to mineral oil	oil resistant according to IEC 60811-2-1 (4 h / 70°C)
• to grease	Conditional resistance
protection class IP	IP20
<b>product features, product functions, product components / general</b>	
product feature	
• halogen-free	No
• silicon-free	Yes
<b>standards, specifications, approvals</b>	
UL/ETL listing / 300 V Rating	No
UL/ETL style / 600 V Rating	No
certificate of suitability	
• EAC approval	Yes
• UL approval	Yes
standard for structured cabling	Cat5
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• French marine classification society (BV)	No
• 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
reference code	
• according to IEC 81346-2	WG
• according to IEC 81346-2:2019	WGB
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a>
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• to website: Selection guide for cables and connectors	<a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>
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