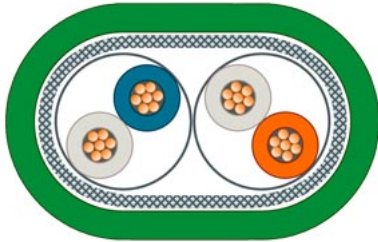


product description

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  
cable designation  
wire length

Easy connection of terminal devices to the IE FC cabling system  
LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN  
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

### mechanical data

number of electrical cores	4
design of the shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tinned copper wires
core diameter	
• of AWG26 insulated conductor	0.48 mm
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	

<ul style="list-style-type: none"> <li>• of the insulation of data wires</li> <li>• of cable sheath</li> </ul>	white/blue, white/orange green
bending radius	
<ul style="list-style-type: none"> <li>• with single bend / minimum permissible</li> <li>• with multiple bends / minimum permissible</li> </ul>	24 mm 42 mm
weight per length	32 kg/km

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> <li>• during installation</li> </ul>	-40 ... +70 °C -40 ... +70 °C -40 ... +70 °C -40 ... +70 °C
fire behavior	flame resistant according to IEC 60332-2-1
chemical resistance	
<ul style="list-style-type: none"> <li>• to mineral oil</li> <li>• to grease</li> </ul>	oil resistant according to IEC 60811-2-1 (4 h / 70°C) Conditional resistance
protection class IP	IP20

### product features, product functions, product components / general

product feature	
<ul style="list-style-type: none"> <li>• halogen-free</li> <li>• silicon-free</li> </ul>	No 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"> <li>• EAC approval</li> <li>• UL approval</li> </ul>	Yes Yes
standard for structured cabling	Cat5
Marine classification association	
<ul style="list-style-type: none"> <li>• American Bureau of Shipping Europe Ltd. (ABS)</li> <li>• French marine classification society (BV)</li> <li>• Det Norske Veritas (DNV)</li> <li>• Germanische Lloyd (GL)</li> <li>• Lloyds Register of Shipping (LRS)</li> <li>• Nippon Kaiji Kyokai (NK)</li> <li>• Polski Rejestr Statkow (PRS)</li> </ul>	No No No No No No No
reference code	
<ul style="list-style-type: none"> <li>• according to IEC 81346-2</li> <li>• according to IEC 81346-2:2019</li> </ul>	WG WGB

### further information / internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Selection guide for cables and connectors</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="http://www.siemens.com/tia-selection-tool">http://www.siemens.com/tia-selection-tool</a> <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="https://sie.ag/2QdlxcP">https://sie.ag/2QdlxcP</a>  <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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