## SIEMENS

## Data sheet

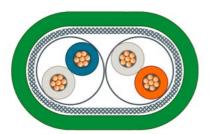
## 6XV1850-2JE50

## product type designation product description

IE TP Cord 9/RJ45, 2x2

Patch cable, preferred length, preassembled with one 9-pole D-sub connector and one RJ45 connector

Industrial Ethernet TP Cord 9/RJ45, TP cord pre-assembled with 1x RJ45 connector and 1x 9-pole ITP connector length 0.5 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	0.5 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	
<ul> <li>of the characteristic impedance at 1 MHz 100 MHz</li> </ul>	15 %
<ul> <li>of the characteristic impedance at 10 MHz 600 MHz</li> </ul>	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 tin- plated copper wires
core diameter	
<ul> <li>of AWG26 insulated conductor</li> </ul>	0.48 mm
outer diameter	
<ul> <li>of inner conductor</li> </ul>	0.48 mm
<ul> <li>of the wire insulation</li> </ul>	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> <li>of the wire insulation</li> </ul>	polyethylene (PE)
of cable sheath	PVC
color	
of the insulation of data wires	white/blue, white/orange
of cable sheath	
bending radius	green
0	24 mm
with single bend / minimum permissible	42 mm
with multiple bends / minimum permissible weight per length	32 kg/km
	J2 kg/km
ambient conditions	
ambient temperature	40
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
product features, product functions, product components / general	
product feature	
<ul> <li>halogen-free</li> </ul>	No
silicon-free	Yes
standards, specifications, approvals	
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	
<ul> <li>American Bureau of Shipping Europe Ltd. (ABS)</li> </ul>	No
<ul> <li>French marine classification society (BV)</li> </ul>	No
<ul> <li>Det Norske Veritas (DNV)</li> </ul>	No
Germanische Lloyd (GL)	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (NK)</li> </ul>	No
Polski Rejestr Statkow (PRS)	No
reference code	
<ul> <li>according to IEC 81346-2</li> </ul>	WG
• according to IEC 81346-2:2019	WGB
further information / internet-Links	
Internet-Link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	http://www.siemens.com/tia-selection-tool
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
• to website: Selection guide for cables and	https://sie.ag/2QdlxcP
connectors	
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com
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