

Data sheet

6XV1850-2JN10

product type designation	IE TP Cord 9/RJ45, 2x2
product description	Patch cable, preferred length, preassembled with one 9-pole D-sub connector and one RJ45 connector
Technical Product Detail Page	https://i.siemens.com/1P6XV1850-2JN10
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	10 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 tin-plated 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	
• of the insulation of data wires	white/blue, white/orange
• 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
ambient conditions	
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 60332-1
chemical resistance	oil resistant according to IEC 60811-2-1 (4 h / 70°C) Conditional resistance
• to mineral oil	
• to grease	
protection class IP	IP20
product features, product functions, product components / general	
product feature	
• halogen-free	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	
• 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
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAx-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
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last modified:

12/20/2025 