## **SIEMENS**

Data sheet 6XV1850-2NH10

product type designation	IE TP Cord 9-45/RJ45, 2x2
product description	Patch cable, preferred length, preassembled with one 9-pole D-sub connector (45 degree cable outlet) and one RJ45 connector
	Industrial Ethernet TP Cord 9-45/RJ45, TP cord pre-assembled with 1x RJ45 Connector and 1x 9-pole ITP connector cable outlet 45 degrees, 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
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	
of minorial of the factor of within of capic sticalli	0.2 mm
thickness / of cable sheath	0.2 mm 3.7 mm
thickness / of cable sheath	3.7 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath	3.7 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material  • of the wire insulation	3.7 mm 0.2 mm  polyethylene (PE)
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material  of the wire insulation of cable sheath	3.7 mm 0.2 mm  polyethylene (PE)
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm  0.2 mm  polyethylene (PE) PVC  white/blue, white/orange
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm  0.2 mm  polyethylene (PE) PVC  white/blue, white/orange
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC  white/blue, white/orange green
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC  white/blue, white/orange green  24 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC  white/blue, white/orange green  24 mm 42 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC  white/blue, white/orange green  24 mm 42 mm
thickness / of cable sheath symmetrical tolerance of thickness / of cable sheath material	3.7 mm 0.2 mm  polyethylene (PE) PVC  white/blue, white/orange green  24 mm 42 mm

• during installation • to mineral oi • to mineral oi • to grease • to mineral oi • to grease • Conditional resistance • to mineral oi • to grease • Conditional resistance • product fostures, product functions, product components / general  product feature • halogen-free	during transport	-40 +70 °C	
fire behavior  chemical resistance  • to mineral oil  • to grease  Conditional resistant according to IEC 60332-1  oil resistant according to IEC 60811-2-1 (4 h / 70°C)  • to mineral oil  • to grease  Conditional resistance  protection class IP  product feature  • halogen-free  • silicon-free  • silicon-free  silicon-free  standards, specifications, approvals  ULETL silsting / 300 V Rating  ULETL silsting / 300 V Rating  No  ULETL sylve / 600 V Rating  No  Certificate of suitability  • EAC approval  • UL approval  • UL approval  • UL approval  • Ves  standard of structured cabling  Cat5  Marine classification association  • American Bureau of Shipping Europe Ltd. (ABS)  • French marine classification society (BV)  • Det Norske Vertias (DNV)  • Germanische Lloyd (GL)  • Lloyds Register of Shipping (LRS)  • No  • Ploski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  •			
chemical resistance  • to mineral oil  • to grease  protection class IP  product features, product functions, product components / general  product feature  • halogen-free  • silicon-free  * sandards, specifications, approvals  ULETL isting / 300 V Rating  ULETL style / 600 V Rating  Ves  • UL approval  • UL approval  • UL approval  • UL approval  • Det Norske Vertias (DINY)  • Pench marine classification society (BV)  • Det Norske Vertias (DINY)  • Det Norske Vertias (DINY)  • Det Rorske Vertias (DINY)  • Polski Rejestr Statkow (PRS)  reference code  • according to IEC 81346-2  • to website: Industry Mall  • to website: Information and Download Center  • to website: Information and Download Cen			
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rotection class IP IP20  product features, product functions, product components / general  product feature  • halogen-free		ail registant according to IEC C0044.2.4./4.b./70°C\	
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product feature  • halogen-free • silicon-free • yes  standards, specifications, approvals  UL/ETL isting / 300 V Rating No  UL/ETL style / 600 V Rating No certificate of suitability • EAC approval • UL approval • Ves standard for structured cabling Cat5  Marine classification association • American Bureau of Shipping Europe Ltd. (ABS) • French marine classification society (BV) No • Det Norske Veritas (DNV) • Det Norske Veritas (DNV) • Oermanische Lloyd (GL) • No • Lloyds Register of Shipping (LRS) • Nippon Kajii Kyokai (NK) • Polski Rejestr Statkow (PRS)  reference code • according to IEC 81346-2 • according to IEC 81346-2:2019  WGB  further information / internet links internet link • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to website: Industrial communication • to website: lindustry Mall • to website: Selection guide for cables and connectors • to website: Image database • to website: CAx-Download-Manager	·	25	
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