

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	
• 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

<ul style="list-style-type: none"> during transport during installation 	-40 ... +70 °C
fire behavior	flame resistant according to IEC 60332-1
chemical resistance <ul style="list-style-type: none"> to mineral oil to grease 	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"> halogen-free silicon-free 	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"> EAC approval UL approval 	Yes Yes
standard for structured cabling	Cat5
Marine classification association <ul style="list-style-type: none"> American Bureau of Shipping Europe Ltd. (ABS) French marine classification society (BV) Det Norske Veritas (DNV) Germanische Lloyd (GL) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (NK) Polski Rejestr Statkow (PRS) 	No No No No No No No
reference code <ul style="list-style-type: none"> according to IEC 81346-2 according to IEC 81346-2:2019 	WG WGB
further information / internet links	
internet link <ul style="list-style-type: none"> to web page: selection aid TIA Selection Tool to website: Industrial communication to website: Industry Mall to website: Information and Download Center to website: Selection guide for cables and connectors to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	http://www.siemens.com/tia-selection-tool http://www.siemens.com/simatic-net https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter https://sie.ag/2QdlxcP http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com

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