

Product-type designation	
IE TP Cord RJ45/15, 2x2	
	
SIMATIC NET, IND. ETHERNET TP CORD 15/RJ45, TP CORD PREASSEMBLED WITH 1 RJ45 CONNECTOR AND 1 15-PIN ITP CONNECTOR, LENGTH 10 M	
Acceptability for application	Easy connection of data terminals to the IE FC cabling system
Cable designation	LI 02YSCY 2x2x0,15/0,98 PIMF ICCS GN
Cable length	10 m
Electrical data	
Damping ratio 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	
• for frequency range 1 MHz ... 100 MHz	100 Ω
• for frequency range 10 MHz ... 600 MHz	100 Ω
Relative symmetrical tolerance	
• of the surge impedance at 1 MHz ... 100 MHz	15 %
• of the surge impedance at 10 MHz ... 600 MHz	6 %
Transfer impedance per length / at 10 MHz	10 mΩ/m
Loop resistance per length / maximum	300 Ω/km
Insulation resistance coefficient	150 GΩ·m
Mechanical data	
Number of electrical wires	4

Design of shield	Overlapped aluminum-clad foil, sheathed in a braided screen of tin-plated copper wires
Core diameter	
• of AWG26 core	0.48 mm
[nicht versorgt: PMD_ACA608_001_000]	
• of the inner conductor	0.48 mm
• of the wire insulation	0.98 mm
Width / of the cable sheath	5.8 mm
Symmetrical tolerance of width / of cable sheath	0.2 mm
Thickness / of the cable sheath	3.7 mm
Symmetrical tolerance of thickness / of cable sheath	0.2 mm
Material	
• of the wire insulation	PE
• of the cable sheath	PVC
Color	
• of the insulation of data wires	white/blue, white/orange
• of the 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
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
• during installation	-40 ... +70 °C
Burning behaviour	flame resistant according to IEC 60332-1
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 properties, functions, components / general	
Product feature	
• halogen-free	No
• silicon-free	Yes
Standards, specifications, approvals	
UL/ETL listing / with 300 V rating	No
UL/ETL style / with 600 V rating	No
Verification of suitability	

• UL-registration	Yes
Standard for structured cabling	Cat7
Marine classification association	
• American Bureau of Shipping Europe Ltd. (ABS)	No
• Bureau Veritas (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: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	http://support.automation.siemens.com
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