SIEMENS

Product data sheet 6XV1870-3QH10



SIMATIC NET INDUSTRIAL ETHERNET TP CORD RJ45/RJ45,
CAT 6, TP CABLE 4X2,
PREASSEMBLED W. W. 2 RJ45 CONNECTORS,
L = 1 M

Cable length	1 m
[nicht versorgt: TAK_ABR691_001_000]	
Damping ratio per length	
• at 10 MHz / maximum	0.086 dB/m
• at 100 MHz / maximum	0.28 dB/m
• at 300 MHz / maximum	0.501 dB/m
• at 600 MHz / maximum	0.735 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	10 %
Transfer impedance / at 10 MHz	10 mΩ/m
Loop resistance per length / maximum	290 Ω/km
Insulation resistance coefficient	500 GΩ·m
Mechanical data	
Number of electrical wires	8
Core diameter	
• of AWG26 core	0.5 mm
Outer diameter	

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• of the inner conductor	0.5 mm
• of the wire insulation	1 mm
• of the cable sheath	6.2 mm
Symmetrical tolerance of outer diameter / of cable sheath	0.3 mm
Bending radius	
• with single bend / minimum permissible	31 mm
• with multiple bends / minimum permissible	43.5 mm
Weight per length	50 kg/km
Permitted ambient conditions	
Ambient temperature	
• during operating	-25 … +70 °C
• during storage	-25 … +70 °C
• during transport	-25 … +70 °C
• during installation	-25 … +70 °C
Protection class IP	IP20
Product properties, functions, components / general	
Product feature	
• halogen-free	Yes
• [not supplied - silicon-free]	Yes
Standards, specifications, approvals	
Verification of suitability	
• UL-registration	Yes
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

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