

6XV1870-3QE50 TP CORD RJ45/RJ45 0.5M

Technical Data



SIMATIC NET INDUSTRIAL
ETHERNET TP CORD RJ45/RJ45,
CAT 6, TP CABLE 4X2,
PREASSEMBLED W. W. 2 RJ45
CONNECTORS, L = 0.5 M

Cable length 0.5 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

Mechanical data

Number of electrical wires 8

Core diameter

- of AWG26 core 0.5 mm

Outer diameter

- 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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