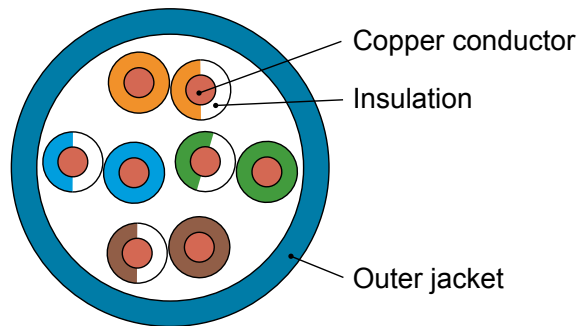


Installation Cable U/UTP AWG24/1 Cat.5e



Application

Primary (Campus), Secondary (Riser), Tertiary (Horizontal)
IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
IEEE 802.5: 16MB; ISDN; TPDDI; ATM

Standards

DIN EN 50173-1; EN 50288-3-1; ISO/IEC 11801; IEC 61156-5; EIA/TIA 568-C.2

Flame resistance

IEC 60332-1

Construction

Conductor	Copper wire, bare \varnothing 0,49 mm (AWG24/1)
Insulation	Polyethylene, \varnothing 0,9 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Outer jacket	LSZH, blue RAL 5012
Cable marking: blue	TELEGÄRTNER U/UTP Cat.5e 4x2xAWG24/1 LSZH IEC 60332-1 NVP 67% „production batch no.“ „sequential length in meters“

Mechanical properties

Bending radius	\geq 40 mm installation \geq 20 mm installed
Temperature range	during operation: -20 °C up to +60 °C during installation: 0 °C up to +50 °C

Electrical properties

at 20°C \pm 5°C

Loop resistance	\leq 188 Ω /km
Resistance unbalance	\leq 2%
Insulation resistance (500V)	\geq 5000 M Ω xkm
Mutual capacitance(at 1 kHz)	nom. 5,1 nF/100m
Mutual capacitance (at 1 kHz) (pair/ground)	max. 160 pF/100m
Characteristic impedance (1-100 MHz)	100 \pm 15 Ω

Installation Cable U/UTP AWG24/1 Cat.5e



Nominal velocity of propagation	ca. 67%
Propagation delay	≤ 498 ns/100m
Delay skew	≤ 45 ns/100m
Test voltage (DC, 1min) (core/core)	1 kV/1min

Transmission properties

at 20°C ± 5°C

have been verified as being compliant with the standards.

Order No.	Standard designation	Scope of delivery	Outer diameter mm	Weight kg/km	Fire load		Tensile force N
					MJ/km	kWh/m	
X00111C0000	J-2YH 4x2x0,49 LSZH	305m (1000ft) unreel box	5,1	29,58	423	0,118	80