



Application

Work area and patch cord cable
 IEEE 802.3: 10Base-T; 100Base-T; 1000Base-T;
 IEEE 802.5: 16MB; ISDN; TPDDI; ATM

Standards

DIN EN 50173-1; EN 50288-6-2; ISO/IEC 11801; IEC 61156-6; EIA/TIA 568-C.2

Flame resistance

IEC 60332-1; UL 1581 FT2 (horizontal flame test)

Construction

Conductor	bare copper wire Ø 0,58 mm(AWG24/7)
Insulation	Polyethylene, Ø 0,96 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Outer jacket	PVC grey RAL 7035
Cable marking: blue	TELEGÄRTNER U/UTP Cat.6 PATCH CABLE 4x2xAWG24/7 IEC 60332-1

Mechanical properties

Bending radius	≥ 40 mm installation ≥ 20 mm installed
Temperature range	during operation: -20 °C up to +60 °C during installation: -10 °C up to +60 °C

Electrical properties

at 20°C ± 5°C

Loop resistance	≤ 188 Ω/km	
Resistance unbalance	≤ 5%	
Insulation resistance (500V)	≥ 5000 MΩxkm	
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 ± 15 Ω
	(100-250 MHz)	100 ± 22 Ω

Patch Cable U/UTP AWG24/7 Cat.6

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	
L02002A0062	Li-2YY 4x2x0,58 PVC	305m (1000ft) easy reel box	5,4	33,05	468	0,13	60