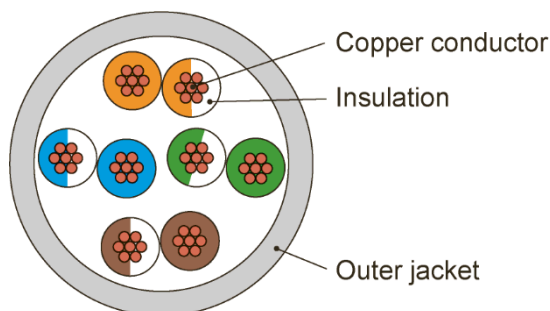


Patch Cable U/UTP

U/UTP AWG24/7 Cat.5 PVC



Application

IEC 11801-1:	Class D
EN 50173-1:	Class D
IEEE 802.3:	10Base-T; 100Base-T; 1000Base-T
IEEE 802.3:	Power over Ethernet PoE; PoE+

Applicable Standards

Design specification:	EN50288-3-2, IEC61156-3
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Fire behaviour

Euroclass:	-
Smoke production:	-
Flaming droplets:	-
Acidity:	-
Flame retardant:	IEC 60332-1; UL 1581 FT2 (horizontal flame test)
Halogen free:	-
Smoke density:	-

Construction

Construction:	U/UTP
Conductor:	Cu-Litze, blanc Ø 0.58 mm (AWG24/7)
Insulation:	Polyethylene, Ø 0.95 mm
Twisting:	2 cores to the pair
Cable lay up:	4 pairs
Outer jacket:	PVC
Cable marking blue:	Telegärtner U/UTP 4x2xAWG24/7 Cat.5 PVC PATCH CABLE IEC 60332-1
Cable marking white:	on black cable jacket

Mechanical properties

Outer diameter:	5.4 ± 0.2 mm
Bending radius:	during operation: ≥ 22 mm during installation: ≥ 44 mm
Tensile force:	max. 60 N
Weight:	33 kg/km

Environment and Security

Temperature range:	during operation: -20 °C to +60 °C during installation: 0 °C to +50 °C
Fire load:	max. 468 MJ/km

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Electrical properties (typical at 20°C)

Characteristic impedance $\underline{Z}$ (1-100 MHz):	100 ± 15 Ω
Nominal velocity of propagation NVP:	ca. 67%
Propagation delay:	≤ 498 ns/100m
Delay skew:	≤ 45 ns/100m
Loop resistance:	18.3 Ω/100m max. 29 Ω/100m
Resistance unbalance:	pair: ≤ 2% between the pairs: ≤ 4%
Insulation resistance (500V):	≥ 500 MΩx100m
Mutual capacitance (at 1000 Hz):	5.1nF/100m
Capacitance unbalance (pair/ground):	≤ 160 pF/100m
Test voltage (DC, 60 sec.) (core/core):	1000 V

Transmission properties (at 20°C)

Has been verified as being compliant with the standards.

Order No. old / new	Standard designation	Scope of delivery	Copper content kg/km
L02002A0040 / 100013065 grey RAL 7035	Li-2YY 4x2x0.58 PVC	305m (1000ft) unreel box	-
L02002A0041 / 100013066 grey RAL 7035	Li-2YY 4x2x0.58 PVC	100m roll	-
L02002A0051 / 100013070 yellow RAL 1018	Li-2YY 4x2x0.58 PVC	100m roll	-
L02002A0053 / 100013071 blue RAL 5015	Li-2YY 4x2x0.58 PVC	100m roll	-
L02002A0054 / 100013072 green RAL 6024	Li-2YY 4x2x0.58 PVC	100m roll	-
L02002A0055 / 100013073 red RAL 3018	Li-2YY 4x2x0.58 PVC	100m roll	-
L02002A0056 / 100013074 black RAL 9011	Li-2YY 4x2x0.58 PVC	100m roll	-

The editions of the afore mentioned standards by the time of 08.06.2022 are valid.