



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

Flame resistance

IEC 60332-1; IEC 60754-2; IEC 61034

Construction

Conductor	bare copper wire Ø 0,51 mm (AWG24/1)
Insulation	Polyethylene, Ø 1,1 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Drain wire	Copper wire, tinned Ø 0,4 (AWG26/1)
Overall screen	Aluminium-laminated plastic foil, with foil facing outward
Outer jacket	LSZH, blue RAL 5012
Cable marking: black	TELEGÄRTNER AMJ 300 F/UTP 4x2xAWG24/1 LSZH Cat.5e IEC 60332-1 NVP 68% „production batch no.“ „sequential length in meters“

Mechanical properties

Bending radius	≥ 50 mm installation ≥ 25 mm installed
Temperature range	during operation: -15 °C up to +70 °C during installation: 0°C up to +60 °C

Electrical properties

at 20°C ± 5°C

Loop resistance	≤ 187,4 Ω/100m
Insulation resistance (500V)	≥ 5000 MΩxkm
Characteristic impedance	(1-100 MHz) (100 ± 5) Ω

Installation Cable AMJ 300 F/UTP AWG24/1 Cat.5e



Nominal velocity of propagation	ca. 68%
Delay skew	≤ 40 ns/100m
Test voltage (DC, 1min) (core/core und core/screen)	1000 V
Transfer impedance	30-100 MHz ≥ 55 dB

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
L02002B0086	J-2Y(St)H 4x2x0,51 LSZH	500 m drum	6,3	40