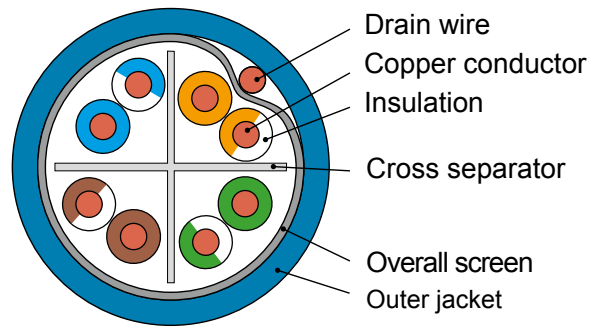


Installation Cable AMJ 300 F/UTP AWG23/1 Cat.6



Application

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

Standards

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

Flame resistance

IEC 60332-1

Construction

Conductor	bare copper wire AWG23/1
Insulation	Foam skin Polyethylene Ø 1,0 mm
Twisting	2 cores to the pair
Cable lay up	4 pairs
Drain wire	Copper wire, tinned AWG24/1
Overall screen	Aluminium-laminated plastic foil, with foil facing outward
Outer jacket	LSZH, blue RAL 5012
Cable marking: black	TELEGÄRTNER AMJ 300 F/UTP 4x2xAWG23/1 LSZH Cat.6 IEC 60332-1 NVP 70% „production batch no.“ „sequential length in meters“

Mechanical properties

Bending radius	≥ 55 mm installation ≥ 27 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	≤190 Ω/km
Insulation resistance (500V)	≥ 5000 MΩxkm
Characteristic impedance (at 100 MHz)	100 ± 5 Ω

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Nominal velocity of propagation	ca. 70%
Delay skew	≤ 40 ns/100m
Test voltage (DC, 1min) (core/core und core/screen)	1kV/1min
Coupling attenuation	30 to 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
L02002A0156	J-02YS(St)H 4x2xAWG23 LSZH	500 m drum	6,9	45