

Category 6_A F-UTP 4 Pair Copper Cable LSZH

AFL's range of Category 6_A cable has link and channel performance meeting internationally defined Physical and Electrical characteristics up to 500 MHz.

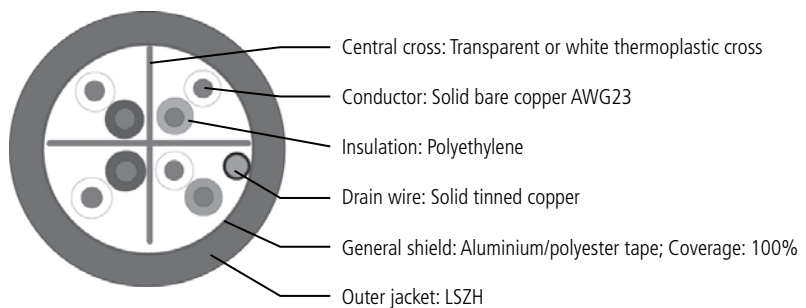
Applications

Generic cabling systems. Including 10BaseT, 1000BaseT, ATM 10 G and Token Ring.

Standards

- YD/T1019-2001 (P.R.C)
- ISO11801
- TIA/EIA 568C
- UL4444

Cable Components



Construction

Conductor	23AWG Soft Plain Copper
Insulation	Foam and solid Polyethylene material, one pair made by foam material to improve the electrical performance
Colour Code	White /Blue, White /Orange, White /Green, White /Brown, no stripe and ring on the white foam core
Shield	Aluminium poly laminate
Outer Jacket	ROHS Compliant LSZH, Nominal Diameter 7.2 +/- 0.5 mm
Additional Components	Cable is supplied without ripcord unless specified by the customer Central separator for improved performance.
Printing	Sheath printed Black with Legend, Printing message as customer's requirement

Mechanical Characteristics

Maximum Pulling Force	100 N
Minimum Bending Radius	once installed 4 x OD, during installation 8 x OD
Nominal Weight	55 kg/km
Operating Temperature	-15°C ~ +60°C
Installation Temperature	+0°C ~ +50°C
Fire Performance	PVC: VW1, CMX, CM, MP, CMG, MPG, CMR, MPR, IEC332.1 LSZH: IEC332.1, IEC332.3 or depending on Jacket Type
Product lengths	305 m standard, 500 m, 1000 m on request

Category 6_A F-UTP 4 Pair Copper Cable LSZH

Electrical Performance

Transmission Frequency (MHZ)	1	4	10	16	20	31.25	62.5	100	200	250	500
NEXTA dB/100 m	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	33.8
Characteristic Impedance (ohm) (For information)	100+/- 15								+/- 22		+/- 25
Attenuation dB/100 m	2.1	3.8	5.9	7.5	8.4	10.5	15.0	19.1	27.6	31.1	45.3
Return Loss dB/100 m	20	23	25	25	25	23.6	21.5	20.1	18	17.3	15.2
PSNEXTA dB/100 m	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	31.8
ELFEXT dB/100 m	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	13.8
PSELFEXT dB/100 m	64.8	52.8	44.8	40.7	38.8	34.9	28.9	24.8	18.8	16.8	10.8
Delay ns/100 m	570	552	545	543	542	540	539	538	537	536	536
Skew ns/100 m	45										
NVP	69%										

Ordering Information

PART NUMBER	DESCRIPTION
AFLCABLE6AF-BL-L	Category 6A F-UTP 4 Pair Cable Blue LSZH

Other colours available on request.