

CAT6A F/UTP

(23AWG BC+HDPE)*2*4+

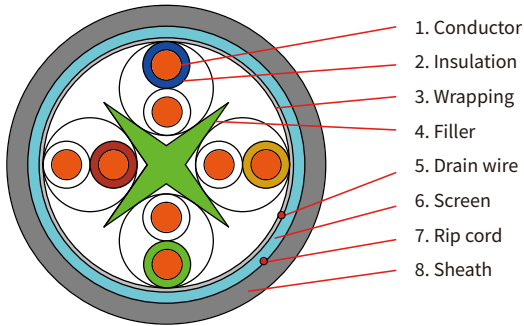
Aluminium Foil+Drain Wire+Rip Cord

Standards: IEC 11801

ANSI/TIA 568C

EN 50173

YD/T 1019



Technical Data:

Applications: 10Base-T4, 100Base-TX, 100Base-VG-ANYLAN, 155MbpsATM, 622MbpsATM, 1000Base-T, 10GBase-T

Storage Temperature: -5°C~+50°C

Operating Temperature: -20°C~+70°C

Tensile Strength. Max: 80N

Minimum Bending Radius: 10D. D is external cable diameter

Voltage Rating: 60V rms to meet the strict flame retardancy and environmental requirements in Europe and USA

Flame Retardancy: UL 1581 (CM Jacket); UL 1666 (CMR Jacket); UL 910 (CMP Jacket); IEC 60332-1 (FR-PVC&LSZH Jacket); IEC 60332-1 and IEC 60332-3C (FR-PVC&LSZH Jacket); CPR E (PVC&LSZH Jacket); CPR D (LSZH Jacket)

Maximum DC Resistance: 7.5Ω/100m (23AWG)

Maximum Resistance Unbalance: 5%

Maximum Mutual Capacitance: 5.6nF/100m

Working Frequency: 1-500MHz

Characteristic Impedance: 100±15Ω (1-100MHz); 100±22Ω (100-250MHz); 100±25Ω (250-500MHz)

Nominal Velocity of Propagation (NVP): ≥65%

Construction:

1. Conductor: 23AWG, solid bare copper conductor

2. Insulation: HDPE

Twisted Pair:

White-Blue(Stripe)/Blue

White-Orange(Stripe)/Orange

White-Green(Stripe)/Green

White-Brown(Stripe)/Brown

3. Wrapping: PET tape

4. Filler: Cross

5. Drain wire: Tinned copper

6. Screen: Al foil

7. Rip Cord

8. Sheath: PVC/PE/LSZH, colours according to customer requirements



Specification Parameters:

FREQ (MHz)	RL (dB/100m)	IL (dB/100m)	NEXT (dB/100m)	ACR (dB/100m)	PSNEXT (dB/100m)	PSACR (dB/100m)	PS ELFEXT (dB/100m)
1	20.0	2.1	74	72	72	70	65
4	23.0	3.8	65	61	63	60	53
10	25.0	5.9	60	54	57	51	45
16	25.0	7.5	56	49	54	47	41
20	25.0	8.4	55	47	53	44	39
31.25	23.6	10.5	52	42	50	39	35
62.5	21.5	15.0	47	32	45	30	29
100	20.1	19.1	44	25	42	23	25
200	18.0	27.6	40	12	38	10	19
250	17.3	31.1	38	7	36	5	17
300	17.3	34.3	37	3	35	1	15
500	17.3	45.3	34	-	32	-	11