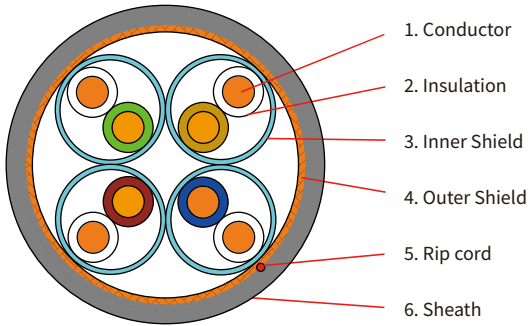


CAT6 S/FTP

(23AWG BC+F-S-F PE+AL/PET)*2*4+
Tinned Copper Braid+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: 1-250MHz
Characteristic Impedance: 100±15Ω (1-100MHz); 100±22Ω (100-250MHz)
Nominal Velocity of Propagation (NVP): ≥65%

Construction:

- 1. Conductor:** 23AWG, solid bare copper conductor
- 2. Insulation:** Foam-skin PE
Twisted Pair:
 White/Blue
 White/Orange
 White/Green
 White/Brown
- 3. Inner Shield:** Individual Al foil (Al face outside) for each pair
- 4. Outer Shield:** Covered by tinned copper
- 5. Rip Cord**
- 6. 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	2.0	74	72	72	70	65
4	23.0	3.8	65	61	63	59	53
10	25.0	6.0	60	54	57	51	45
16	25.0	7.6	56	48	54	46	41
20	25.0	8.5	55	47	53	45	39
31.25	23.6	10.7	52	41	50	39	35
62.5	21.5	15.4	47	32	45	30	29
100	20.1	19.8	44	24	42	22	25
200	18.0	29.0	40	11	38	9	19
250	17.3	32.8	38	5	36	3	17