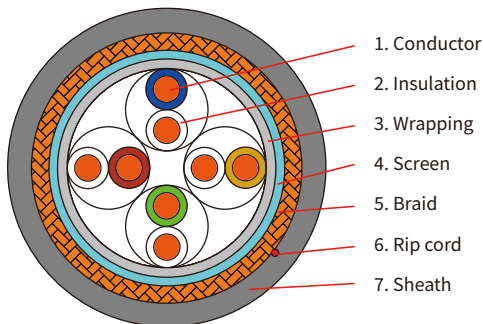


CAT5E SF/UTP

(24AWG BC+HDPE)*2*4+AL/PET+
Tinned Copper Braid+Braid Wire+Rip Cord

Standards: IEC 11801
ANSI/TIA 568C
EN 50173
YD/T 1019



Technical Data:

Applications: 10Base-T, 100Base-T4, 100Base-TX, 100Base-VG-ANYLAN, 155MbpsATM, 622MbpsATM, 1000Base-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: 9.5Ω/100m (24AWG)

Maximum Resistance Unbalance: 5%

Maximum Mutual Capacitance: 5.6nF/100m

Working Frequency: 1-100MHz

Characteristic Impedance: 100±15Ω (1-100MHz);

Nominal Velocity of Propagation (NVP): ≥65%

Construction:

- Conductor:** 24AWG, solid bare copper conductor
- Insulation:** HDPE
Twisted Pair:
White-Blue(Stripe)/Blue
White-Orange(Stripe)/Orange
White-Green(Stripe)/Green
White-Brown(Stripe)/Brown
- Wrapping:** PET tape
- Screen:** Al foil
- Braid:** Tinned copper
- Rip Cord**
- 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	65	63	62	60	61
4	23.0	4.1	56	52	53	49	49
10	25.0	6.5	50	44	47	41	41
16	25.0	8.2	47	39	44	36	37
20	25.0	9.3	46	37	43	34	35
31.25	23.6	11.7	43	31	40	28	31
62.5	21.5	17.0	38	21	35	18	25
100	20.1	22.0	35	13	32	10	21