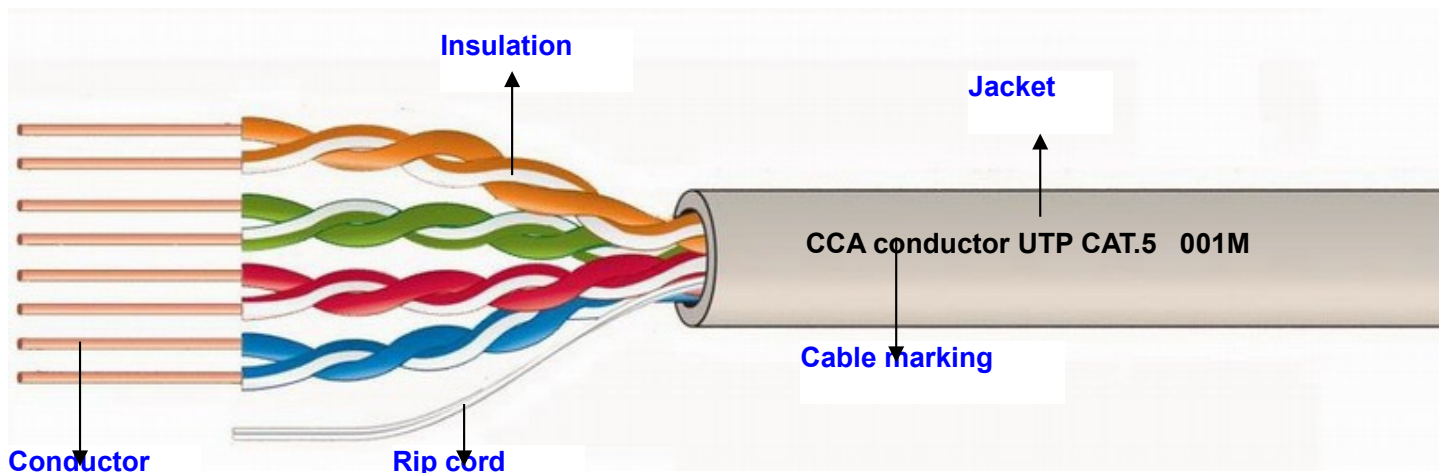


UTP CAT5E — CCA Conductor



CONSTRUCTION

CONDUCTOR	Solid CCA Conductor Dia.: $\Phi 0.50 \pm 0.003\text{mm}$
INSULATION	Raw material of the Insulation: PE Quantity: 4 twisted pairs : Blue/white-blue; Green/white-green; Orange/white-orange; Brown/white-brown Insulation Dia. : $0.90 \pm 0.005\text{mm}$ Average thickness: 0.20mm Minimum point thickness: 0.1975mm
RIP CORD	Nylon thread
JACKET	Jacket material: PVC (<i>Available in LSZH and PE</i>) Color: As per customers request Nominal Dia.: $5.1 \pm 0.2\text{mm}$ Average thickness: 0.50mm Minimum point thickness: 0.40mm
CABLE MARKING	As per customers request (OEM)

Application

Primary(Campus), Secondary(Riser), Tertiary(Horizontal)
IEEE802.3: 10 Base-T ; 100 Base-T ; 1000 Base-t ;
IEEE802.5 16MB ; RDSI/ISDN; 100 Mbps TPDDI; 155 Mbps ATM

Standard

TIA/EIA 568.B	EN50173-1
IEC/ISO11801	EN50288-6-1

Mechanical properties

MINIMUM BENDING RADIUS	Installation: 8×O.D. Installed: 4×O.D.
TEMPERATURE RANGE	During operation: -55°C -- +60°C During installation: -15°C -- +50°C
MAX TENSILE LOAD	During operation: -- During installation: 90N

Electrical properties

Resistance unbalance	≤ 2%
Insulation resistance	≥150 MΩ/km
Capacitance	220pF/m
Capacitance unbalance	≤330 pF/100m
Characteristic impedance	1-100Mhz: (100±15) Ω
Nominal velocity of propagation	≥Approximate 62%
Propagation delay	≤537 ns/100m @ 100mhz
Delay skew	Nominal 45 ns/100m, 1-100 Mhz
Test voltage(DC, 1 min)	1000v

Nominal transmission Characteristics

F (Mhz)	Att (db/100m)	Dop (ns/100m)	Vop (%C)	Skw (ns/100m)	RI (db)	Next (db@100m)	PsNext (db@100m)	Ps ElFext (db@100m)
0.772	≤ 2.2	≤ 574.97	≥ 57.96	≤ 45	≥ 19.5	≥ 66.98	≥ 63.98	≥ 63.04
1	≤ 2.8	≤ 570	≥ 58.5	≤ 45	≥ 20	≥ 65.3	≥ 62.3	≥ 60.8
4	≤ 5.05	≤ 552	≥ 60.44	≤ 45	≥ 23.1	≥ 56.26	≥ 53.26	≥ 48.75
8	≤ 6.20	≤ 546.72	≥ 61.01	≤ 45	≥ 24.6	≥ 51.75	≥ 48.75	≥ 42.73
10	≤ 7.10	≤ 545.38	≥ 61.15	≤ 45	≥ 25	≥ 50.3	≥ 47.3	≥ 40.79
16	≤ 9.25	≤ 543	≥ 61.41	≤ 45	≥ 25	≥ 47.23	≥ 44.23	≥ 36.71
20	≤ 10.40	≤ 542.04	≥ 61.51	≤ 45	≥ 25	≥ 45.78	≥ 42.78	≥ 34.77
25	≤ 11.50	≤ 541.2	≥ 61.61	≤ 45	≥ 24.4	≥ 44.33	≥ 41.33	≥ 32.84
31.25	≤ 14.80	≤ 540.43	≥ 61.69	≤ 45	≥ 23.7	≥ 42.87	≥ 39.87	≥ 30.9
50	≤ 16.62	≤ 539.09	≥ 61.83	≤ 45	≥ 22.3	≥ 39.81	≥ 36.81	≥ 26.82
62.25	≤ 18.80	≤ 538.55	≥ 61.89	≤ 45	≥ 21.6	≥ 38.36	≥ 35.36	≥ 24.88
100	≤ 26.60	≤ 536.7	≥ 62	≤ 45	≥ 20.1	≥ 35.29	≥ 32.39	≥ 20.79

Products No.

Products No.	conductor	Insulation	Rip cord	Jacket
AYP-C5E0130401	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.1mm PVC
AYP-C5E0130402	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.1mm FR-PVC
AYP-C5E0130403	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.1mm LSZH
AYP-C5E0130404	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.1mm CMX PVC
AYP-C5E0130405	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.1mm CM PVC
AYP-C5E0130406	Φ 0.50mm CCA	Φ0.90mm PE	Nylon thread	Φ5.5mm PE

Weight

6.40kg/305m