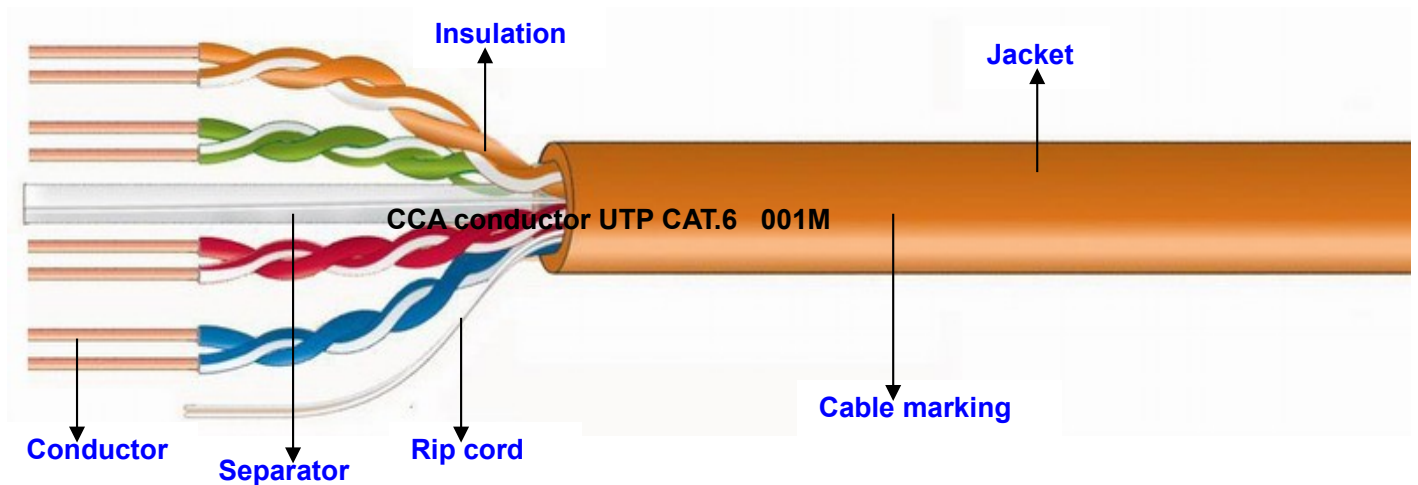


UTP CAT6—CCA Conductor



CONSTRUCTION

CONDUCTOR	Solid CCA
	Conductor Dia.: $0.57 \pm 0.003\text{mm}$
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. : $1.0 \pm 0.005\text{mm}$
	Average thickness: 0.2125mm
	Minimum point thickness: 0.21mm
SEPARATOR	Center cross
RIP CORD	Nylon thread
JACKET	Jacket material: PVC (<i>Availabled in LSZH and PE</i>)
	Color: As per customers request
	Nominal Dia.: $6.3 \pm 0.2\text{mm}$
	Average thickness: 0.60mm
	Minimum point thickness: 0.50mm
CABLE MARKING	As per customers request (<i>OEM</i>)

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: 110N

Electrical properties

Resistance unbalance	≤ 2%
Insulation resistance	≥110 MΩ/km
Capacitance	230pF/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	≤ 2.20	≤ 574.97	≥ 57.96	≤ 45	≥ 19.5	≥ 75.98	≥ 73.98	≥ 67.04
1	≤ 2.80	≤ 570	≥ 58.5	≤ 45	≥ 20	≥ 74.3	≥ 72.3	≥ 64.8
4	≤ 4.9	≤ 552	≥ 60.44	≤ 45	≥ 23.1	≥ 65.26	≥ 63.26	≥ 52.75
8	≤ 56.5	≤ 546.72	≥ 61.01	≤ 45	≥ 24.6	≥ 60.75	≥ 58.75	≥ 46.73
10	≤ 7.10	≤ 545.38	≥ 61.15	≤ 45	≥ 25	≥ 59.3	≥ 57.3	≥ 44.79
16	≤ 8.70	≤ 543	≥ 61.41	≤ 45	≥ 25	≥ 56.23	≥ 54.23	≥ 40.71
20	≤ 9.64	≤ 542.04	≥ 61.51	≤ 45	≥ 25	≥ 54.78	≥ 52.78	≥ 38.77
25	≤ 10.90	≤ 541.2	≥ 61.61	≤ 45	≥ 24.4	≥ 53.33	≥ 51.33	≥ 36.84
31.25	≤ 12	≤ 540.43	≥ 61.69	≤ 45	≥ 23.7	≥ 51.87	≥ 49.87	≥ 34.9
50	≤ 15.70	≤ 539.09	≥ 61.83	≤ 45	≥ 22.3	≥ 48.81	≥ 46.81	≥ 30.82
62.25	≤ 16.90	≤ 538.55	≥ 61.89	≤ 45	≥ 21.6	≥ 47.36	≥ 45.36	≥ 28.88
100	≤ 22.10	≤ 537.6	≥ 62	≤ 45	≥ 20.1	≥ 44.3	≥ 42.39	≥ 24.79
125	≤ 25.20	≤ 537.21	≥ 62.05	≤ 45	≥ 19.5	≥ 42.84	≥ 40.84	≥ 22.86
200	≤ 31	≤ 536.54	≥ 62.12	≤ 45	≥ 18	≥ 39.78	≥ 37.78	≥ 18.77
250	≤ 35.8	≤ 536.27	≥ 62.15	≤ 45	≥ 17.4	≥ 38.33	≥ 36.33	≥ 16.84

Products No.

Products No.	Conductor	Insulation	Separator	Rip cord	Jacket
AYP-C60130401	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.3mm PVC
AYP-C60130402	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.3mm FR-PVC
AYP-C60130403	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.3mm LSZH
AYP-C60130404	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.3mm CMX PVC
AYP-C60130405	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.3mm CM PVC
AYP-C60130406	Φ 0.57mm Solid CCA	Φ1.0mm PE	Center cross	Nylon thread	Φ 6.8mm PE

Weight

9.0kg/305m