

CAT 6A UTP SOLID CABLE P/N: CLA04-UC6A

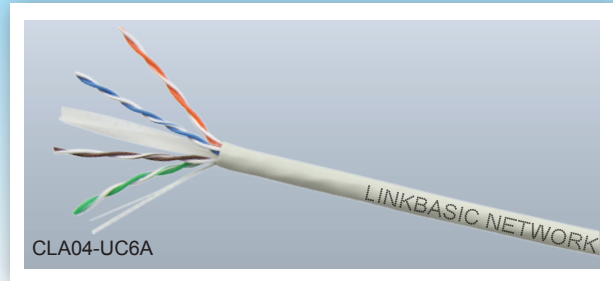
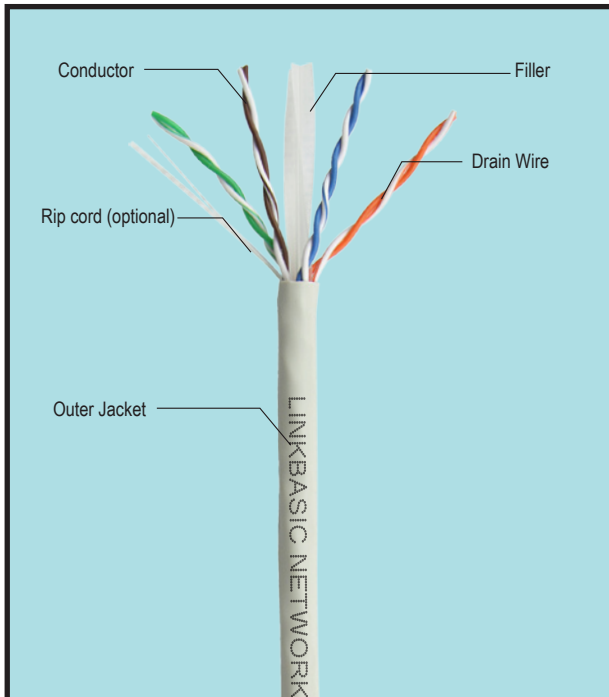
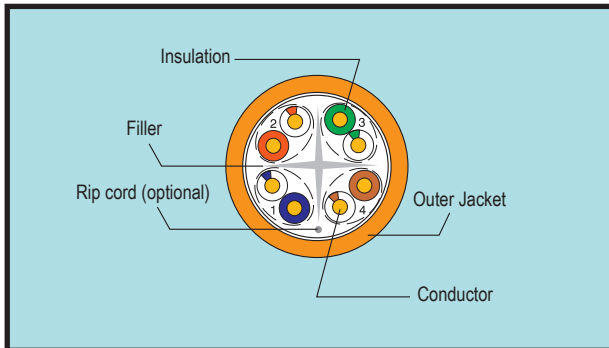
DESCRIPTION

- Rated temperature: 70°C
- Reference standard: UL Subject 444, EIA/TIA 568B.2-10 & ISO/IEC 11801, IEC 61156
- Solid bare copper conductor
- Colour-coded PE insulation
- Rip cord (optional)
- PVC or LSZH jacket
- Packaging: Reel, Reel in Box

APPLICATION

- 100 Base-T4
- 100Base-TX
- 100VG-AnyLAN
- 1000Base-T
- 1000Base-TX
- 155Mbps ATM
- 622Mbps ATM

PRODUCT FIGURE



Cat 6A UTP solid cable

RAL 7035



CONSTRUCTION

Structure	Construction	UTP
Structure	Number of Pairs	4 Pair
	AWG	23AWG
	Conductor Dimension (mm)	0.60
	Solid or Stranded; Bare or Tinned	Stranded bare or tinned copper
Insulation	insulation material	HDPE
	Insulation Dimension (mm)	0.98
	Number Colour (Ring or Strip marking)	1.White/Blue & Blue 2.White/Orange & Orange 3.White/Green & Green 4.White/Brown & Brown
	Cross Filler	Yes
Shield	Individual Shield & Material	No
	Outer Shield & Material	No
	Drain Wire	No
Outer jacket	Outer Jacket Material	PVC or LSZH
	Outer Jacket Ripcord	Per customer request
	Overall Nominal Diameter (mm)	Nom: 6.0mm

MECHANICAL CHARACTERISTICS

Operating Temp. Range	-20~70°C
Max. Recommended Pulling Tension	110N
Min. Bend Radius (Install)	4 X O.D.
Flame Test	CMX, CMR, CM

ELECTRICAL CHARACTERISTICS

Nam. Mutual Capacitance @ kHz	≤5.6 nF/100M
may. Capacitance unbalance (pF/100m)	≤330pF /100M (Per TIA/EIA-568B.2) ≤160pF /100M (Per IEC 61156)
Nominal Vela city of Propagation	65%
Max. Delay 5kew (ns/100m)	≤45ns/100m
Max. Conductor DC Resistance @ 20 Deg. C	8.76Ω /100M (Bare copper)
Max. DC Resistance unbalance @ 20 Deg. C	9.09Ω /100M (Tinned copper) ≤5% (per TIA/EIA-568B.2) ≤2% (per IEC 61156-5)
Max. Inrulation Resistance (MΩ/ k m)	5000
Max. Operating Voltage-UL	300V

TIA/EIA 568-B.2 ELECTRICAL CHARACTERISTICS

Frequency	Input Impedance	ATT	RL	NEXT	PSNEXT	ELFEXT	PSELFEXT	TCL	DELAY	PSANEXT	PSACCRF
(MHz)	(Ohms)	(DB/100m)	(Db)	(Db)	(Db)	(Db/100m)	(Db/100m)	(Db)	(Ns/100m)	(Db)	(Db)
4	100±15	3.8	18.8	63.3	63.3	55.8	52.8	40.0	552.0	67.0	66.2
8	100±15	5.3	19.7	58.8	58.8	49.7	46.7	40.0	546.7	67.0	60.1
10	100±15	5.9	20	57.3	57.3	47.8	44.8	40.0	545.4	67.0	58.2
16	100±15	7.5	20	54.2	54.2	43.7	40.7	38.0	543.0	67.0	54.1
20	100±15	8.4	20	52.8	52.8	41.8	38.8	37.0	542.0	67.0	52.2
25	100±15	9.4	19.3	51.3	51.3	39.8	36.8	36.0	541.2	67.0	50.2
31.25	100±15	10.5	18.6	50	49.0	37.9	34.9	35.1	540.4	67.0	48.3
62.5	100±15	15	16.5	45.4	45.4	31.9	28.9	32.0	538.6	65.6	42.3
100	100±15	19.1	15.1	42.3	42.3	27.8	24.8	30.0	537.6	62.5	38.2
125	100±20	20	14.4	40.8	40.8	25.9	22.9	29.0	537.2	61.0	36.3
200	100±22	22	13	37.8	37.8	21.8	18.8	27.0	536.5	58.0	32.2
250	100±22	22	12.3	36.3	36.3	19.8	16.8	26.0	536.3	56.5	30.2
300	100±25	34.3	11.8	35.1	35.1	18.3	15.3	25.2	536.1	55.3	28.7
400	100±25	40.1	10.9	33.3	33.3	15.8	12.8	24.0	535.8	53.5	26.2
500	100±25	45.3	10.2	31.8	31.8	13.8	10.8	23.0	535.6	52.0	24.2

ORDER INFORMATION

Part number	Description	AWG	Standard color	packing Type	Carton	Carton measurement	Carton weight
CLA04-UC6A	Cat 6A UTP solid cable	23AWG	RAL7035	Reel	305m(1000ft)	φ38cm × H27.5cm	16.30KG
CLA04-UC6A-CMR	Cat 6A UTP solid cable	23AWG	RAL7035	Reel	305m(1000ft)	φ38cm × H27.5cm	16.30KG
CLA04-UC6A-LSZH	Cat 6A UTP solid cable	23AWG	RAL2003	Reel	305m(1000ft)	φ38cm × H27.5cm	16.00KG