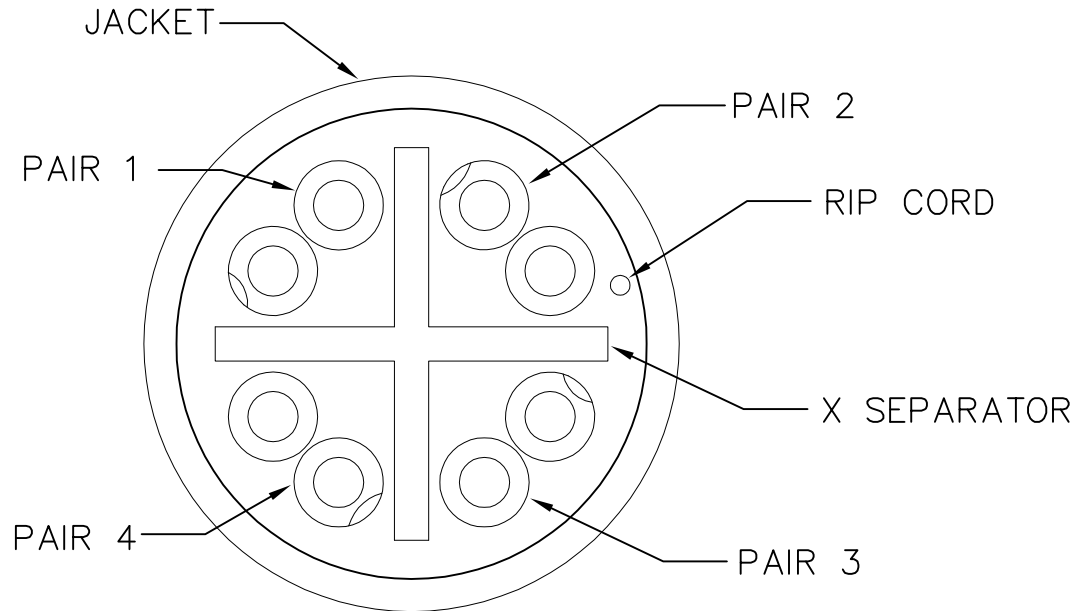


# Category 6A 650MHz UTP CMP Solid Copper Cable

## PRODUCT SPECIFICATION

### Package includes:

A. Category 6A UTP CMP Solid Copper Cable, 1000 ft/reel



PAIR 1: BLUE & WHITE/BLUE  
 PAIR 2: ORANGE & WHITE/ORANGE  
 PAIR 3: GREEN & WHITE/GREEN  
 PAIR 4: BROWN & WHITE/BROWN

### Features and Benefits:

- Complies with IEEE 802.3an 10G BASE-T and TIA-568-C.2 standards.
- Easy to dispense cable with reel design, saving your time and energy on the job site.
- Convenient sequential footage markings for usage tracking.
- Commercial / Flame rated required in most commercial installations.
- ETL verified TIA/EIA 568-C.2 for maximum performance.
- UL 1863 compliant

**CABLE, CAT6A, UTP, 23AWG, 4P, CMP, 1000ft**

ITEM NO. ICCABP6A00

REV. B

DWG NO. PSCABP6A00

PAGE NO. 1



CUSTOMER CARE / TECHNICAL SUPPORT \* CSR@ICC.COM / 888-ASK-4-ICC (275-4422) \* 2100 E. Valencia Dr, Suite D, Fullerton, CA 92831\* www.icc.com

CATEGORY 6A 650MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER/328 FT)

FREQ. (MHz)	INSERTION LOSS, MAX. (dB/100M)	RETURN LOSS MIN. (dB/100M)	NEXT MIN. (dB/100M)	PS NEXT MIN. (dB/100M)	ACRF MIN. (dB/100M)	PS ACRF MIN. (dB/100M)	PROPAGATION DELAY MAX. (dB/100M)	ALIEN CROSSTALK	
								PS ANEXT MIN (dB/100M)	PS AACRF MIN (dB/100M)
1.0	2.1	20.0	78.3	76.3	71.8	68.8	570.0	67.0	67.0
4.0	3.8	24.2	69.3	67.3	59.8	56.8	552.0	67.0	66.2
8.0	5.3	26.3	64.8	62.8	53.7	50.7	546.7	67.0	60.1
10.0	5.9	27.0	63.3	61.3	51.8	48.8	545.4	67.0	58.2
16.0	7.5	27.0	60.2	58.2	47.7	44.7	543.0	67.0	54.1
20.0	8.4	27.0	58.8	56.8	45.8	42.8	542.0	67.0	52.2
25.0	9.4	26.3	57.3	55.3	43.8	40.8	541.2	67.0	50.2
31.25	10.5	25.6	55.9	53.9	41.9	38.9	540.4	67.0	48.3
62.5	15.0	23.5	51.4	49.4	35.9	32.9	538.6	65.6	42.3
100.0	19.1	22.1	48.3	46.3	31.8	28.8	537.6	62.5	38.2
155.0	24.1	20.8	45.4	43.4	28.0	25.0	536.9	59.6	34.4
200.0	27.6	20.0	43.8	41.8	25.8	22.8	536.5	58.0	32.2
250.0	31.1	19.3	42.3	40.3	23.8	20.8	536.3	56.5	30.2
300.0	34.3	18.8	41.1	39.3	22.3	19.3	536.1	55.3	28.7
350.0	37.2	18.3	40.1	38.1	20.9	17.9	535.9	54.3	27.3
400.0	40.1	17.9	39.3	37.3	19.8	16.8	535.8	53.5	26.2
500.0	45.3	17.5	37.8	35.8	17.8	14.8	535.6	52.0	24.2
550.0*	47.7	17.2	37.2	35.2	-	-	-	-	-
600.0*	50.1	16.9	36.6	34.6	-	-	-	-	-
650.0*	52.3	16.7	36.1	34.1	-	-	-	-	-

\*FREQUENCIES ARE FOR REFERENCE ONLY

**NOTES: UNLESS OTHERWISE SPECIFIED**

1. DESCRIPTION
  - A. RATED TEMPERATURE: 75°C
  - B. FLAME TEST: FT6
2. ELECTRICAL PROPERTIES:
  - A. CONDUCTOR DCR: 9.38 OHMS/100M @20°C
  - B. DCR UNBALANCE: 3% MAX
  - C. CAPACITANCE UNBALANCE PAIR/GROUND: 330°F/100M MAX
  - D. INPUT IMPEDANCE: 100 OHMS±10% (10-550MHz)  
 100 OHMS±12% (1-100MHz)  
 100 OHMS±15% (>100-350MHz)  
 100 OHMS±22% (>350MHz)
  - E. PROPAGATION DELAY SKEW: 25 ns/100M MAX
  - F. NOMINAL VELOCITY OF PROPAGATION (NVP): 70%
  - G. INSTALLATION TEMPERATURE: 32°~140°F
  - H. OPERATIONAL TEMPERATURE: -4°~167°F
3. PERFORMANCE:
  - A. SEE TABLE ABOVE
4. PRODUCT STANDARD CERTIFICATION:
  - A. IEEE 802.3an 10G BASE-T
  - B. TIA-568-C.2
  - C. UL
  - D. ETL
5. BEND RADIUS: 1.34"
6. CABLE COLOR: XX = BL-BLUE, WH-WHITE
7. PACKAGING:
  - A. BULK PACKAGE: 1000 FT/REEL
  - B. REEL SIZE: 17.3W X 13.0H
  - C. WEIGHT: 57.5 LBS

CABLE CONSTRUCTION		
		CMP
		23AWG x 4P
CONDUCTOR	SIZE	
	CONSTRUCTION	SOLID BARE COPPER
SEPARATOR	MATERIAL	FEP
INSULATION	MATERIAL	FEP
JACKET	DIAMETER	0.34"
	MATERIAL	LOW SMOKE, FLAME RETARDANT PVC

PART NUMBER	DESCRIPTION
ICCABP6ABL	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, BLUE
ICCABP6AWH	CAT6A 650MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, WHITE



FILE NO. 320548

**CABLE, CAT6A, UTP, 23AWG, 4P, CMP, 1000ft**

ITEM NO.	ICCABP6A00	REV.	B
DWG NO.	PSCABP6A00	PAGE NO.	2



CUSTOMER CARE / TECHNICAL SUPPORT \* CSR@ICC.COM / 888-ASK-4-ICC (275-4422) \* 2100 E. Valencia Dr, Suite D, Fullerton, CA 92831 \* www.icc.com