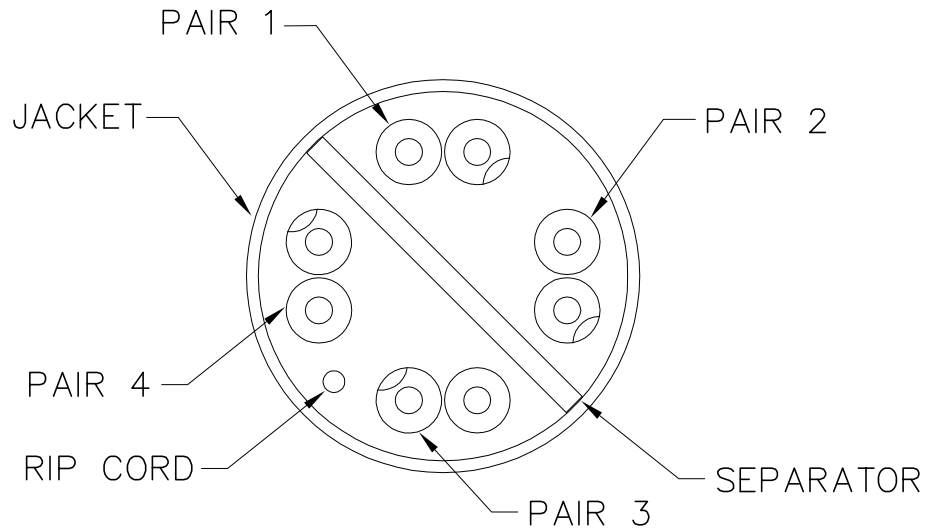


Category 6 500MHz UTP CMP Solid Cable

PRODUCT SPECIFICATION

Package includes:

A. Category 6 UTP CMP Solid Cable, 1000 feet/box



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

Features and Benefits:

- Exceeds TIA 568-C.2 Category 6 standard
- Easy to dispense cable with Relex design box, saving your time and energy on the job site
- Bare Solid Copper Wire construction to assure performance and quality
- Convenient sequential footage markings for usage tracking
- Plenum rated required in most commercial installations
- Ideal for data, digital video, broadband, and baseband analog video
- UL listed

CABLE, CAT 6, 500 UTP SLD CBL, 23G, 4P, CMP

ITEM NO.	ICCABP6VXX	REV.	B
DWG NO.	PSCABP6V00	PAGE NO.	1



CUSTOMER CARE / TECHNICAL SUPPORT * CSR@ICC.COM / 888-ASK-4-ICC (275-4422) * 14700 Alondra Blvd, La Mirada, CA 90638 * www.icc.com

CATEGORY 6 500MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER/328 FT)

FREQUENCY (MHz)	INSERTION LOSS MAX. (dB)	RETURN LOSS MIN. (dB)	NEXT MIN. (dB)	PS NEXT MIN. (dB)	ACR MIN. (dB)	PS ACR MIN. (dB)	ACRF MIN. (dB)	PS ACRF MIN. (dB)
1.0	2.0	20.0	74.3	72.3	72.3	70.3	67.8	64.8
4.0	3.8	23.0	65.3	63.3	61.5	59.3	55.7	52.8
10.0	6.0	25.0	59.3	57.3	53.3	51.3	47.8	44.8
16.0	7.6	25.0	56.2	54.2	48.7	46.7	43.7	40.7
20.0	8.5	25.0	54.8	52.8	46.3	44.3	41.7	38.8
31.25	10.7	23.6	51.9	49.9	41.2	39.2	37.9	34.9
62.5	15.4	21.5	47.4	45.4	32.0	29.9	31.8	28.9
100.0	19.8	20.1	44.3	42.3	24.5	22.5	27.8	24.8
150.0	24.7	18.9	41.7	39.7	16.9	14.9	24.3	21.3
200.0	29.0	18.0	39.8	37.8	10.8	8.8	21.8	18.8
250.0	32.8	17.3	38.3	36.3	5.5	3.5	19.8	16.8
350.0	39.8	16.3	36.1	34.1	N/A	N/A	16.9	13.9
400.0*	43.0	15.9	35.3	33.3	N/A	N/A	15.8	12.8
500.0*	48.9	15.2	33.8	31.8	N/A	N/A	13.8	10.8

*FREQUENCIES BEYOND 350MHz ARE FOR REFERENCE ONLY

NOTES: UNLESS OTHERWISE SPECIFIED

1. STANDARD COMPLIANCES:

- A. ANSI/TIA 568-C.2
- B. ANSI/TIA 862
- C. UL 444
- D. ICEA S-102-700 (CATEGORY 6)
- E. ROHS COMPLIANT DIRECTIVE 2002/95/EC
- F. ISO/IEC 11801 Ed. 2.0 (CLASS E)
- G. NEC/CEC TYPE CMP (NFPA 262)

2. CONSTRUCTION:

- A. CONDUCTOR: 23 AWG, SOLID BARE COPPER
- B. JACKET:
 - MATERIAL: FLUOROPOLYMER/DUAL LAYER POLYOLEFIN
 - DIAMETER: 0.200" ±0.007 (5.10±0.2MM)
 - PLENUM: LOW-SMOKE, FLAME-RETARDANT PVC
- C. RIP CORD
 - MATERIAL: POLYESTER

3. ELECTRICAL & PHYSICAL PROPERTIES:

- A. TEMPERATURE RATING:
 - INSTALLATION TEMPERATURE: 32°~140°F
 - OPERATIONAL TEMPERATURE: -4°~167°F
- B. DC RESISTANCE: 8.9 OHM/100m @ 20°C MAX.
- C. DC RESISTANCES UNBALANCE: 3.0% INDIVIDUAL PAIR
- D. CHARACTERISTIC IMPEDANCE: 1~350 MHz, 100±15 OHMS
- E. NOMINAL VELOCITY OF PROPAGATION (NVP): 70%
- F. DELAY SKEW (MAX): 45 NS/100M
- G. MINIMUM BEND RADIUS: 1.0"
- H. MAXIMUM PULLING FORCE: 32 LBS

4. PACKAGING:

- A. BOX SIZE: 15.50" X 15.50" X 10.25"
- B. WEIGHT: 28.00 LBS/1000FT

5. APPLICATION:

- A. IEEE 802.3: 1000 BASE-T (GIGABIT ETHERNET), 100 BASE-TX, 10 BASE-T
- B. ANSI/TIA 854: 1000 BASE-TX
- C. 155 Mp/s, 1.2 Gb/s ATM
- D. ANSI X3.263: 100 Mb/s
- E. IEEE 802.3af DATA TERMINAL EQUIPMENT (DTE) PoE
- F. IEEE 802.3at FOR PoE PLUS

PART NUMBER	DESCRIPTION
ICCABP6VBL	CAT 6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, BLUE
ICCABP6VGN	CAT 6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, GREEN
ICCABP6VGY	CAT 6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, GREY
ICCABP6VWH	CAT 6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, WHITE
ICCABP6VYL	CAT 6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMP, 1000FT, YELLOW



FILE NO. 320548

CABLE, CAT 6, 500 UTP SLD CBL, 23G, 4P, CMP

ITEM NO.	ICCABP6VXX	REV.	B
DWG NO.	PSCABP6V00	PAGE NO.	2



CUSTOMER CARE / TECHNICAL SUPPORT * CSR@ICC.COM / 888-ASK-4-ICC (275-4422) * 14700 Alondra Blvd, La Mirada, CA 90638 * www.icc.com