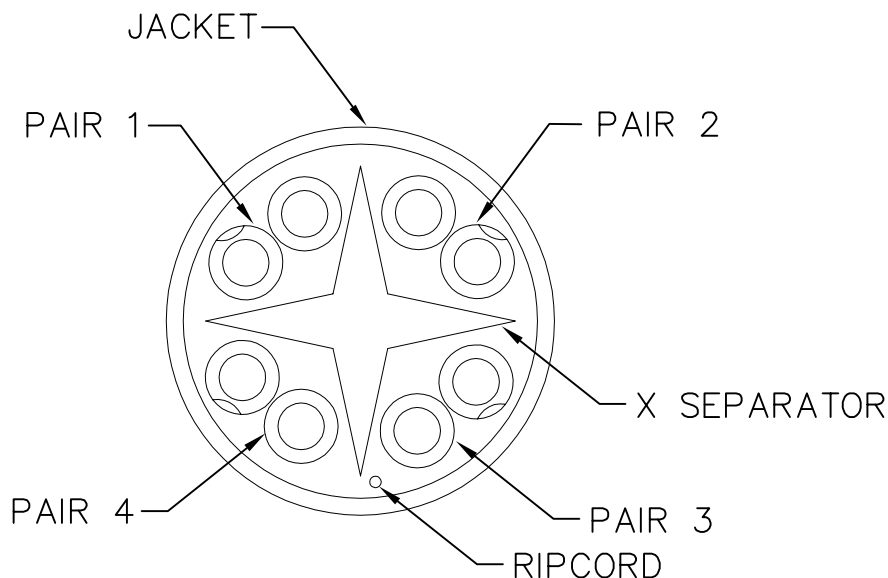


# Category 6 600MHz UTP Solid Cable

## PRODUCT SPECIFICATION

### Package includes:

A. Category 6 UTP Solid Cable, 1000 feet



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.2-1 Category 6 standard
- Easy to dispense cable with pull box design, saving your time and energy on the job site
- Convenient sequential footage markings for usage tracking
- Riser flame retardant rated required in most commercial installations
- ETL verified TIA/EIA 568-C.2 for guaranteed performance
- UL 1863 compliant

### CABLE, CAT6, UTP, 23AWG, 4P, CMR, 1000ft

ITEM NO. ICCABR6EXX

REV. F

DWG NO. PSCABR6E00

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 6 600MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER LOOP)																		
FREQUENCY (MHz)	1.0	4.0	10.0	16.0	20.0	31.25	62.5	100.0	155.0	200.0	250.0	300.0	350.0	400.0	480.0	500.0	550.0	600.0
ATTENUATION (dB/100m)	2.0	3.7	5.9	7.4	8.3	10.4	14.9	19.1	24.1	27.7	31.2	34.5	37.5	40.4	44.7	45.8	48.3	50.7
NEXT (dB)	82.3	73.3	67.3	64.2	62.8	59.9	55.4	52.3	49.4	47.8	46.3	46.0	45.7	45.4	44.9	44.8	44.5	44.2
PS NEXT (dB)	80.3	71.3	65.3	62.2	60.8	57.9	53.4	50.3	47.4	45.8	44.3	44.0	43.7	43.4	42.9	42.8	42.5	42.2
ACRF (dB)	73.8	61.8	53.8	49.7	47.8	43.9	37.9	33.9	30.0	27.8	25.8	24.3	22.9	21.8	20.2	19.8	19.0	18.2
PS ACRF (dB)	71.8	59.8	51.8	47.7	45.8	41.9	35.9	31.8	28.0	25.8	23.8	22.3	20.9	19.8	17.2	17.8	17.0	16.2
RETURN LOSS (dB)	21.0	24.0	25.5	26.0	26.0	26.0	26.0	22.5	21.1	19.8	19.0	18.3	17.8	16.9	16.3	16.2	15.9	15.7
ACR (dB)	80.3	69.5	61.4	56.8	54.5	49.4	40.0	33.2	25.3	20.1	15.1	11.5	8.2	5.0	0.2	0.0	N.A.	N.A.
PS ACR (dB)	78.3	67.5	59.4	54.8	52.5	47.4	38.4	31.2	23.3	18.1	13.1	9.5	6.2	3.0	0	N.A.	N.A.	N.A.

**NOTES: UNLESS OTHERWISE SPECIFIED**

1. STANDARD:
  - A. UL444, ISO/IEC 11801, TIA-568-C.2 CAT 6; 2002/95/EC(RoHS)
2. CONSTRUCTION:
  - A. SIZE: 23AWG
  - B. CONDUCTOR: SOLID BARE COPPER
  - C. INSULATION:
    - MATERIAL: HDPE
  - D. JACKET:
    - MATERIAL: FR PVC
    - DIAMETER:  $\varnothing 0.236" \pm 0.007$  (6.0MM $\pm 0.2$ )
  - E. RIP CORD
    - MATERIAL: POLYESTER
  - F. X SEPARATOR:
    - MATERIAL: PE
3. ELECTRICAL & PHYSICAL PROPERTIES:
  - A. RATING TEMP VOLTAGE: 75°C, 300V
  - B. CONDUCTOR RESISTANCE: 9.38 OHM/100m/20°C MAX.
  - C. MUTUAL CAPACITANCE: 56 pF/M MAX.
  - D. DIELECTRIC STRENGTH: AC 1.5 KV/2 SEC.
  - E. SPARK TEST: 2.5 KV
  - F. FLAME RETARDANT TEST: CMR
  - G. DC RESISTANCES UNBALANCE: 5% MAX
  - H. AC LEAKAGE CURRENT THROUGH OVERALL JACKET: AC 1500V  $\leq$  10mA
  - I. PAIR-TO-PAIR CAPACITANCE UNBALANCED: 330 pF/100m MAX.
  - J. CHARACTERISTIC IMPEDANCE: 1~600 MHz 100 $\pm 15$  OHMS
  - K. PROPAGATION DELAY: 600MHz 536nS/100m MAX.
  - L. VELOCITY OF PROPAGATION (NVP): 68% NOMINAL
  - M. DELAY SKEW: 1~600MHz 40nS/100m MAX.
  - N. INSTALLATION TEMPERATURE: 32°~140°F
  - O. OPERATIONAL TEMPERATURE: -4°~167°F
4. PACKAGING:
  - A. BULK PACKAGE: 1000 FT/PULL BOX
  - B. BOX SIZE: 16.30" X 10.00" X 16.00"
  - C. WEIGHT: 28.65 LBS

PART NUMBER	DESCRIPTION
ICCABR6EBL	CAT6 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, BLUE
ICCABR6EGN	CAT6 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, GREEN
ICCABR6EGY	CAT6 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, GRAY
ICCABR6EWH	CAT6 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, WHITE
ICCABR6EYL	CAT6 600MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, YELLOW



FILE NO. 320548

**CABLE, CAT6, UTP, 23AWG, 4P, CMR, 1000ft**

ITEM NO. ICCABR6EXX

REV. F

DWG NO. PSCABR6E00

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