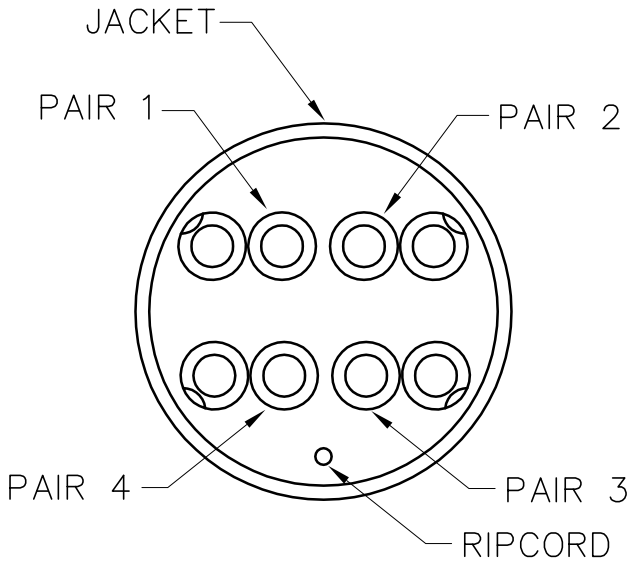
Category 6 500MHz UTP CMR Solid Cable

PRODUCT SPECIFICATION

Package includes:

A. Category 6 UTP 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.2-1 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 listed

CABLE, CAT 6, 500 UTP SLD CBL, 23G, 4P, CMR			
ITEM NO.	ICCABR6VXX	REV.	A
DWG NO.	PSCABR6V00	PAGE NO.	1

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CATEGORY 6 500MHz UTP CABLE ELECTRICAL PERFORMANCE (100 METER LOOP)																
FREQUENCY (MHz)	1.0	4.0	8.0	10.0	16.0	20.0	25.0	31.25	62.5	100.0	155.0	200.0	250.0	300.0*	400.0*	500.0*
ATTENUATION (dB/100m)	2.0	3.8	5.3	6.0	7.6	8.5	9.5	10.7	15.4	19.8	25.1	29.0	32.8	36.4	43.0	48.9
NEXT (dB)	74.3	65.3	60.8	59.3	56.3	54.8	53.3	51.9	47.4	44.3	41.5	39.8	38.3	37.2	35.3	33.8
PS NEXT (dB)	72.3	63.3	58.8	57.3	54.3	52.8	51.3	49.9	45.1	42.3	39.5	37.8	36.3	35.2	33.3	31.8
ACRF (dB)	67.8	55.7	49.7	47.8	43.7	41.7	39.8	37.9	31.8	27.8	23.9	21.7	19.8	18.2	15.7	N/A
PS ACRF (dB)	64.8	52.7	46.7	44.8	40.7	38.7	36.8	34.9	28.8	24.8	20.9	18.7.	16.8	15.2	12.7	N/A
RETURN LOSS (dB)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1	18.8	18.0	17.3	16.8	15.9	15.2
ACR (dB)	72.3	61.5	55.5	53.3	48.7	46.3	43.8	41.2	32.0	24.5	16.4	10.8	5.5	0.8	N/A	N/A
PS ACR (dB)	70.3	59.5	53.5	51.3	46.7	44.3	41.8	39.2	30.0	22.5	14.4	8.8	3.5	0.0	N/A	N/A

*FREQUENCIES BEYOND THE TIA STANDARD FOR CAT 6 ARE FOR REFERENCE ONLY

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: FRPE
   D. JACKET:
      -MATERIAL: FR PVC
      -DIAMETER: 0.212" ± .007 (5.40± 0.2MM)
   E. RIP CORD
      -MATERIAL: POLYESTER
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 6 10mA
   I. PAIR-TO-PAIR CAPACITANCE UNBALANCED: 330 pF/100m MAX.
   J. CHARACTERISTIC IMPEDANCE: 1~500 MHz 100± 15 OHMS
   K. PROPAGATION DELAY: 500MHz 536nS/100m MAX.
   L. VELOCITY OF PROPAGATION (NVP): 68% NOMINAL
   M. DELAY SKEW: 1~500MHz 30nS/100m MAX.
4. PACKAGING:
   A. BULK PACKAGE: 1000 FT/PULL BOX
   B. BOX SIZE: 14.57" X 9.45" X 15.35"
   C. WEIGHT: 27.55 LBS

PART NUMBER	DESCRIPTION
ICCABR6VBL	CAT6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, BLUE
ICCABR6VGN	CAT6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, GREEN
ICCABR6VGY	CAT6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, GRAY
ICCABR6VWH	CAT6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, WHITE
ICCABR6VYL	CAT6 500MHz UTP SOLID CABLE, 23 AWG, 4 PAIR, CMR, 1000FT, YELLOW

UL c UL FILE NO. 320548

CABLE, CAT 6, 500 UTP SLD CBL, 23G, 4P, CMR			
ITEM NO.	ICCABR6VXX	REV.	A
DWG NO.	PSCABR6V00	PAGE NO.	2

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