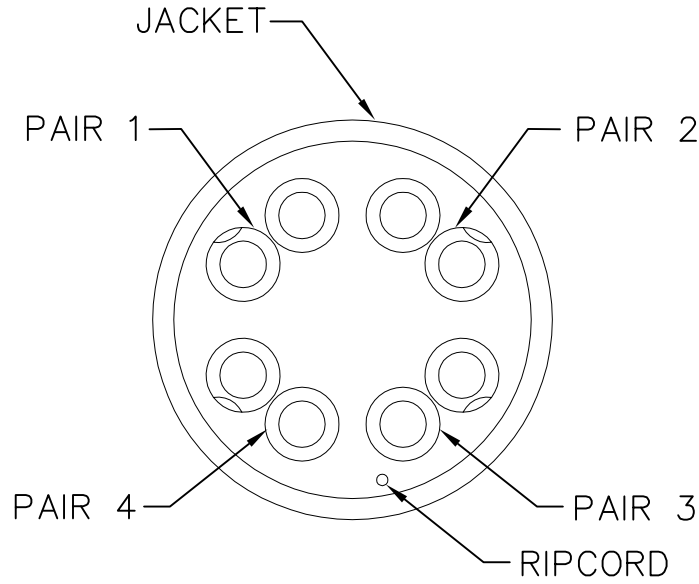


# Category 5e 350MHz UTP Solid Cable

## PRODUCT SPECIFICATION

### Package includes:

A. Category 5e 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 Category 5e standard
- Easy to dispense 1000 ft with EZ pull box, saving you energy and time 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, CAT5e, UTP, 24AWG, 4P, CMR, 1000ft

ITEM NO. ICCABR5EXX  
DWG NO. PSCABR5E00

REV. F  
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CATEGORY 5e 350MHz 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	155	200	240	300	350
ATTENUATION (dB/100m)	2.0	4.0	5.6	6.3	8.0	9.0	10.0	11.2	16.0	20.5	25.8	29.5	33.2	36.6	39.72
NEXT LOSS (dB)	70.3	61.3	56.8	55.3	52.2	50.8	49.3	47.9	43.4	40.3	37.4	35.8	34.3	33.1	32.1
PSNEXT LOSS (dB)	68.3	59.3	54.8	53.3	50.2	48.8	47.3	45.9	41.4	38.3	35.4	33.8	32.3	31.1	30.1
ACRF (dB)	67.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8	24.0	21.8	19.8	18.3	16.9
PS ACRF (dB)	64.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8	21.0	18.8	16.8	15.3	13.9
RETURN LOSS (dB)	21.0	24.0	25.5	26.0	26.0	26.0	25.3	24.6	22.5	21.1	19.7	19.0	18.3	17.8	17.3
ACR (dB)	68.3	57.3	51.1	49.0	44.2	41.8	39.3	36.6	27.3	19.8	11.7	6.3	1.2	-	-
PS ACR (dB)	66.3	55.3	49.1	47.0	42.2	39.8	37.3	34.6	25.3	17.8	9.7	4.3	0	-	-

**NOTES: UNLESS OTHERWISE SPECIFIED**

1. STANDARD:
  - A. UL444, ISO/IEC 11801, TIA-568-C.2 CAT 5E; 2002/95/EC(RoHS)
2. CONSTRUCTION:
  - A. SIZE: 24AWG
  - B. CONDUCTOR: SOLID BARE COPPER
  - C. INSULATION:
    - MATERIAL: HDPE
  - D. JACKET:
    - MATERIAL: FR PVC
    - DIAMETER:  $\varnothing 0.189" \pm 0.007 (4.8MM \pm 0.2)$
  - 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  $\leq$  10mA
  - I. PAIR-TO-PAIR CAPACITANCE UNBALANCED: 330 pF/100m MAX.
  - J. CHARACTERISTIC IMPEDANCE: 1~350 MHz 100 $\pm$ 15 OHMS
  - K. PROPAGATION DELAY: 350MHz 536nS/100m MAX.
  - L. VELOCITY OF PROPAGATION (NVP): 68% NOMINAL
  - M. DELAY SKEW: 1~350MHz 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: 14.14" X 8.66" X 13.78"
  - C. WEIGHT: 21.6 LBS

PART NUMBER	DESCRIPTION
ICCABR5EBL	CAT5e 350MHz UTP SOLID CABLE, 24 AWG, 4 PAIR, CMR, 1000FT, BLUE
ICCABR5EGN	CAT5e 350MHz UTP SOLID CABLE, 24 AWG, 4 PAIR, CMR, 1000FT, GREEN
ICCABR5EGY	CAT5e 350MHz UTP SOLID CABLE, 24 AWG, 4 PAIR, CMR, 1000FT, GRAY
ICCABR5EWH	CAT5e 350MHz UTP SOLID CABLE, 24 AWG, 4 PAIR, CMR, 1000FT, WHITE
ICCABR5EYL	CAT5e 350MHz UTP SOLID CABLE, 24 AWG, 4 PAIR, CMR, 1000FT, YELLOW



<b>Cable, CAT5e, UTP, 24AWG, 4P, CMR, 1000ft</b>			
ITEM NO.	ICCABR5EXX		REV. F
DWG NO.	PSCABR5E00		PAGE NO. 2

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