

**CATEGORY 5E**  
**24AWG 4PAIR SOLID**

12/13/2006 REV 1.1



**PART NUMBER: 244P5**

**DESCRIPTION:** 24AWG 4 PAIR CAT5E SOLID BARE COPPER TWISTED, POLYOLEFIN INSULATION, RIP CORD, PVC JACKET, TESTED FOR 155 ATM AND 622 ATM, CEC/C(UL) CM, NEC(UL) CM, UL444

**PHYSICAL CHARACTERISTICS:**

**TEMPERATURE RATING:** -10°C TO +60°C  
**CONDUCTOR/PAIR COUNT:** 8 CONDUCTORS, 4 TWISTED PAIRS  
**CONDUCTOR MATERIAL:** BARE COPPER  
**GAUGE & STRANDING:** 24 AWG, SOLID  
**COLOR CODE:** WHITE/BLUE STRIPE, BLUE  
 WHITE/ORANGE STRIPE, ORANGE  
 WHITE/GREEN STRIPE, GREEN  
 WHITE/BROWN STRIPE, BROWN  
**INSULATION MATERIAL:** POLYOLEFIN

**ELECTRICAL CHARACTERISTICS:**

**MAX. OPERATING VOLTAGE:** 300 V RMS  
**NOM. MUTUAL CAPACITANCE @ 1 KHZ:** 14 pF/FT.  
**MAX CAPACITANCE UNBALANCE (pF/100M):** 330 pF/100M  
**NOM. VELOCITY OF PROPAGATION:** 70%  
**MAX. DELAY (ns/100M):** 538 @ 100MHz ns/100m  
**MAX. DELAY SKEW (ns/100M):** 25 ns/100M  
**MAX. CONDUCTOR DC RESISTANCE @ 20 DEG.C:** 8.9 Ohms/100M  
**MAX. DCR UNBALANCE @ 20 DEG. C:** 3%

**JACKET MATERIAL & THICKNESS:** PVC

**JACKET COLOR:** BLUE, WHITE, YELLOW

**RIPCORD:** YES  
**OUTSIDE DIAMETER:** .20"  
**MAXIMUM PULLING TENSION:** 25LBS  
**MINIMUM BEND RADIUS:** 1.0"  
**PACKAGING:** REELS/ BOXES  
**CABLE WEIGHT:** 21 LBS/ 1000 FT.

| NOM. ATTENUATION: | <u>MHZ</u> |      | <u>DB/100 M</u> |      |
|-------------------|------------|------|-----------------|------|
|                   | 1          | 2.0  | 62.5            | 17.0 |
|                   | 4          | 4.1  | 100             | 22.0 |
|                   | 8          | 5.8  | 155             | 28.1 |
|                   | 10         | 6.5  | 200             | 32.0 |
|                   | 16         | 8.2  |                 |      |
|                   | 20         | 9.3  |                 |      |
|                   | 25         | 10.4 |                 |      |
|                   | 31.25      | 11.7 |                 |      |

**UL CRITERIA:**

**UL TYPE OR STYLE:**  
**FLAME RESISTANCE:** CEC/C(UL) CM, NEC(UL) CM, UL444  
 UL1685

**NOTES:**

1. Semi-tubed jacket with glossy finish.
2. Footage markers printed every two feet.
3. While Signature Wire Corp. has made every reasonable effort to ensure the accuracy of these specifications, information contained herein may be subject to error and omission and to change without notice. Signature Wire Corp. provides these specifications on an "AS IS" basis, with no representations or warranties, whether

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