

**InProve (R) ENHANCED CATEGORY 5E**  
**24AWG 4PAIR 350 MHz SOLID**

7/5/08 REV 1.1



**PART NUMBER: 244P5X**

**DESCRIPTION:** 24AWG 4 PAIR 350 MHz ENHANCED CAT5E UTP CABLE, SOLID BARE COPPER, POLYOLEFIN INSULATION, PVC JACKET, RIP CORD. ENOUGH HEADROOM TO EXCEED ANSI/TIA/EIA 568-B, 2 AND ISO/IEC 11801 SPECIFICATIONS. CEC/C(UL) CMR, NEC/(UL) CMR

**PHYSICAL CHARACTERISTICS:**

**TEMPERATURE RATING:** 0°C TO +60°C INSTALLATION  
**CONDUCTOR/PAIR COUNT:** 8 CONDUCTORS, 4 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:**

**JACKET MATERIAL & THICKNESS:** FR-PVC

**JACKET COLOR:** WHITE, BLUE, GREEN,  
YELLOW, RED, GRAY, ORANGE

**RIPCORD:** YES

**OUTSIDE DIAMETER:** .200"

**MAXIMUM PULLING TENSION:** 25 LBS

**MINIMUM BEND RADIUS:** 1.0"

**PACKAGING:** REELS/BOXES

**CABLE WEIGHT:** 29 LBS/ 1000 FT.

**ELECTRICAL CHARACTERISTICS:**

**MAX. OPERATING VOLTAGE:** 300 V RMS  
**NOM. MUTUAL CAPACITANCE @ 1 KHZ:** 15 pF/FT.  
**MAX CAPACITANCE UNBALANCE (pF/100M):** 66 pF/100M  
**NOM. VELOCITY OF PROPAGATION:** 71%  
**MAX. DELAY (ns/100M):** 510 ns/100m  
**MAX. DELAY SKEW (ns/100M):** 20 ns/100M  
**MAX. CONDUCTOR DC RESISTANCE @ 20 DEG.C:** 9 Ohms/100M  
**MAX. DCR UNBALANCE @ 20 DEG. C:** 3%

**NOM. ATTENUATION:**

**MHZ    DB/100 M**

**MHZ    DB/100 M**

1	2.0	62.5	16.8
4	4.0	100	21.7
8	5.7	155	27.7
10	6.4	200	32.0
16	8.1		
20	9.2		
25	10.3		
31.25	11.6		

**UL CRITERIA:**

**UL TYPE OR STYLE:** CEC/C(UL) CMR, NEC(UL) CMR  
**FLAME RESISTANCE:** UL1581 VERTICAL TRAY

**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

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