

InProve (R) ENHANCED CATEGORY 5E
23AWG 4PAIR 550 MHz SOLID

7/5/08 REV 1.0



PART NUMBER: 234P6M

DESCRIPTION: 23AWG 4 PAIR 550 MHz ENHANCED CAT6E, SOLID BARE COPPER , FEP INSULATION, FR-PVC JACKET, RIP CORD, GUARANTEED TO 6DB OF MARGIN,TIA/EIA, GIGABET ETHERNET APPLICATIONS. CEC/C(UL) CMP, NEC/(UL) CMP

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: 0°C TO +60°C INSTALLATION
CONDUCTOR/PAIR COUNT: 8 CONDUCTORS, 4 PAIRS
CONDUCTOR MATERIAL: BARE COPPER
GAUGE & STRANDING: 23 AWG, SOLID
COLOR CODE: WHITE/BLUE STRIPE, BLUE
 WHITE/ORANGE STRIPE, ORANGE
 WHITE/GREEN STRIPE, GREEN
 WHITE/BROWN STRIPE, BROWN

INSULATION MATERIAL: FEP
JACKET MATERIAL & THICKNESS: PVC
JACKET COLOR: WHITE, BLUE, GREEN,
 YELLOW, GRAY

RIPCORD: YES
OUTSIDE DIAMETER: .236"
MAXIMUM PULLING TENSION: 27 LBS
MINIMUM BEND RADIUS: 0.8"
PACKAGING: REELS/BOXES
CABLE WEIGHT: 25 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: 72%
MAX. DELAY (ns/100M): 510 ns/100m
MAX. DELAY SKEW (ns/100M): 25 ns/100M
MAX. CONDUCTOR DC RESISTANCE @ 20 DEG.C: 9 Ohms/100M
MAX. DCR UNBALANCE @ 20 DEG. C: 3%

NOM. ATTENUATION:	<u>MHZ</u>		<u>DB/100 M</u>	
	<u>MHZ</u>	<u>DB/100 M</u>	<u>MHZ</u>	<u>DB/100 M</u>
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) CMP, NEC(UL) CMP
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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