

InProve(R) ENHANCED CATEGORY 6E
23AWG 4PAIR 550 MHz SOLID

7/5/08 REV 1.0



PART NUMBER: 234P6

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

PHYSICAL CHARACTERISTICS:

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

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: 70%
MAX. DELAY (ns/100M): 510ns/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%

JACKET MATERIAL & THICKNESS: FR-PVC

JACKET COLOR: WHITE, BLUE, GREEN
 YELLOW, GRAY

RIPCORD: YES

OUTSIDE DIAMETER: .236"

MAXIMUM PULLING TENSION: 27 LBS

MINIMUM BEND RADIUS: 1.3"

PACKAGING: REELS/ BOXES

CABLE WEIGHT: 27 LBS/ 1000 FT.

NOM. ATTENUATION:

MHZ DB/100 M

1	2.0
4	4.0
8	5.7
10	6.4
16	8.1
20	9.2
25	10.3
31.25	11.6

MHZ DB/100 M

62.5	16.8
100	21.7
155	27.7
200	32.0

UL CRITERIA:

UL TYPE OR STYLE: CEC/C(UL) CMR, NEC(UL) CMR

FLAME RESISTANCE: UL 1581 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 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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