

InProve(R) ENHANCED CATEGORY 5E PLENUM

7/5/08 REV 1.0

24AWG 4PAIR 350 MHz SOLID



PART NUMBER: 244P5XM

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

PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: 0°C TO +60°C
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: FEP

JACKET MATERIAL & THICKNESS: FR-PVC

JACKET COLOR: WHITE, BLUE, GREEN,
YELLOW

RIPCORD: YES

OUTSIDE DIAMETER: .192"

MAXIMUM PULLING TENSION: 25 LBS

MINIMUM BEND RADIUS: 1.0"

PACKAGING: 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: 73%
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:	<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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