

# CATEGORY 5

REV 1.0 10/19/06

## 24AWG 4PAIR NONBONDED PAIRS SOLID



**PART NUMBER: 244P5RS**

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

**PHYSICAL CHARACTERISTICS:**

**TEMPERATURE RATING:** -20°C TO +75°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:** PO

**OUTER SHIELD:** ALUM FOIL/ POLYESTER TAPE  
100% COVERAGE

**OUTER SHIELD DRAIN WIRE:** 24AWG, 7X32 STRANDING, TC

**JACKET MATERIAL & THICKNESS:** PVC

**JACKET COLOR:** VIOLET

**RIPCORD:** NO

**OUTSIDE DIAMETER:** .260"

**MAXIMUM PULLING TENSION:** 25 LBS

**MINIMUM BEND RADIUS:** 1.0"

**PACKAGING:** REELS

**CABLE WEIGHT:** 30 LBS/1000'

**ELECTRICAL CHARACTERISTICS:**

**MAX. OPERATING VOLTAGE:** 300 V RMS

**NOM. MUTUAL CAPACITANCE @ 1 KHZ:** 15 pF/FT.

**MAX CAPACITANCE UNBALANCE (pF/100M):** 300 pF/100M

**NOM. VELOCITY OF PROPAGATION:** 67%

**MAX. DELAY (ns/100M):** 538 @ 100MHz ns/100m

**MAX. DELAY SKEW (ns/100M):** 45 ns/100M

**MAX. CONDUCTOR DC RESISTANCE @ 20 DEG.C:** 9.38 Ohms/100M

**MAX. DCR UNBALANCE @ 20 DEG. C:** 3%

NOM. ATTENUATION:	MHZ		DB/100 M	
	MHZ	DB/100 M	MHZ	DB/100 M
	1	2.0	62.5	17.0
	4	4.1	100	22.0
	8	5.8		
	10	6.5		
	16	8.2		
	20	9.3		
	25	10.4		
	31.25	11.7		

**UL CRITERIA:**

**UL TYPE OR STYLE:** CEC/C(UL) CMR, NEC(UL) CMR, UL444

**FLAME RESISTANCE:** UL1666 RISER

**NOTES:**

1. Semi-tubed jacket with glossy finish.
2. Footage markers printed every two feet.
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