

DATATWIST(R) FIVE

I. DESCRIPTION PLENUM:

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4 PAIR UTP (UNSHIELDED TWISTED PAIR) CABLE, 24 AWG  
SOLID BARE COPPER, FEP INSULATED SINGLES, RIPCORDER,  
FLEXIBLE FLAMARREST(TM) JACKET.  
JACKET SEQUENTIALLY MARKED AT TWO FOOT INTERVALS.

II. APPLICATIONS:

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SUPPORTS CURRENT CATEGORY FIVE APPLICATIONS SUCH AS  
10 BASE T, 100 BASE T, 100 BASE VG ANYLAN, AND 155 ATM.

IV. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RANGE: -20 TO 75 DEG. C  
INSULATION MATERIAL: FEP  
JACKET MATERIAL: PVC  
MAX. PULLING TENSION: 35 LBS.  
MIN. CONDUCTOR O.D.: 0.019"  
NOM. WEIGHT/1000 FT.: 24.4 LBS.  
MIN. BEND RADIUS: 1.0"  
NOM. DIAMETER: .200"  
APPLICABLE SPECIFICATIONS: UL/NEC TYPE CMP  
CEC C(UL) CMP  
TIA/EIA 568-A, CAT. 5  
ICEA 661, CAT. 5  
NEMA WC-63.1 CAT 5  
  
FLAME TEST: UL910

V. COLOR CODE:

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PAIR #1: WHITE/BLUE & BLUE  
PAIR #2: WHITE/ORANGE & ORANGE  
PAIR #3: WHITE/GREEN & GREEN  
PAIR #4: WHITE/BROWN & BROWN

VI. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE: 300V RMS  
NOM. CAPACITANCE @ 1 KHZ: 15 PF/FT  
NOM. VELOCITY OF PROPAGATION: 72%

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FREQ ; MIN ; MAX ATTEN ; AVG IMP ; MIN SRL  
(MHZ) ; NEXT ; /100 MTR ; (OHMS) ;  
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.772 ; 64 DB ; 1.8 DB ; 102 +/- 15% ; --  
1.0 ; 62 DB ; 2.0 DB ; 100 +/- 15% ; 23.0 DB  
4.0 ; 53 DB ; 4.1 DB ; 100 +/- 15% ; 23.8 DB  
8.0 ; 48 DB ; 5.8 DB ; 100 +/- 15% ; 23.7 DB  
10.0 ; 47 DB ; 6.5 DB ; 100 +/- 15% ; 23.0 DB  
16.0 ; 44 DB ; 8.2 DB ; 100 +/- 15% ; 23.0 DB  
20.0 ; 42 DB ; 9.3 DB ; 100 +/- 15% ; 23.0 DB  
25.0 ; 41 DB ; 10.4 DB ; 100 +/- 15% ; 22.3 DB  
31.25 ; 40 DB ; 11.7 DB ; 100 +/- 15% ; 21.0 DB  
62.5 ; 35 DB ; 17.0 DB ; 100 +/- 15% ; 18.0 DB  
100 ; 32 DB ; 22.0 DB ; 100 +/- 15% ; 16.0 DB

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