

07-31-97 REV. 9

8164

I. DESCRIPTION:

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24 AWG (7X32) TINNED COPPER, 4 PAIRS, DATALENE  
INSULATION WITH INDIVIDUAL BELDFOIL SHIELDS AND AN  
OVERALL BELDFOIL/TINNED COPPER BRAID SHIELD, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE: 300 V RMS  
MAX. CONTINUOUS CURRENT PER  
CONDUCTOR @ 25 DEG. C: 2.5 A  
NOM. CAPACITANCE BETWEEN  
CONDUCTORS OF PAIR @ 1 KHZ: 12.5 PF/FT  
NOM. CAPACITANCE CONDUCTOR TO  
SHIELD @ 1 KHZ (ONE CONDUCTOR  
TO OTHER CONDUCTORS AND SHIELD): 22 PF/FT.  
NOM. IMPEDANCE OF PAIRS: 100 OHMS  
NOM. CONDUCTOR DC RESISTANCE  
@ 20 DEG C: 25 OHMS/1000 FT.  
NOM. VELOCITY OF PROPAGATION: 78%

III. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RATING: -40 TO +60 DEG C  
INSULATION MATERIAL: DATALENE  
JACKET MATERIAL (COLOR): PVC (CHROME)  
TYPE SHIELD AND % COVERAGE: INDIV POLYESTER/ALUM FOIL  
SHIELDED PRS (100%) PLUS  
OVERALL (100%) POLYESTER/  
ALUM & 65% T.C. BRAID  
  
MAX. PULLING TENSION: 111 LBS.  
TWISTED PAIR LAY LENGTH: 1" (12 TWISTS/FT)  
MIN. BEND RADIUS: 4.0"  
NOM. WEIGHT/1000 FT.: 75 LBS  
NOM. DIAMETER: .383"  
APPLICABLE SPECIFICATIONS: UL TYPE CM OR AWM 2493  
OR CEC C(UL) CM  
FLAME RESISTANCE: UL 1581 VERTICAL TRAY  
FLAME TEST

IV. COLOR CODE:

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PAIR# COLOR COMBINATION  
1 BLACK AND RED  
2 BLACK AND WHITE  
3 BLACK AND GREEN  
4 BLACK AND BLUE

\*\*\*\*\* END OF DATA FOR PRODUCT - 8164 \*\*\*\*\*