

03/12/09 REV.3

123073F

I. DESCRIPTION:

100 OHM DATATRAY(R) TWINAX.

II. ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE @ 1 MHZ: 100 OHMS
NOM. INDUCTANCE: .15 MICRO-H/FT
NOM. MUTUAL CAPACITANCE: 15.3 PF/FT
NOM. VELOCITY OF PROPAGATION 64.5 %
NOM. DELAY: 1.58 NS/FT
NOM. CONDUCTOR DC RESISTANCE
@ 25 DEG. C: 6.9 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 25 DEG. C: 2.9 OHMS/1000 FT.
MAX. OPERATING VOLTAGE: 600 VRMS (UL)

NOM. ATTENUATION:

MHZ	DB/100 FT.	MHZ	DB/100 FT.
1	.41	100	4.20
10	1.33	200	5.95
50	2.97	400	7.52

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40 TO +75 DEG. C
CONDUCTOR MATERIAL & DIA: #18 (7X26) TINNED COPPER
.046" NOM. (1.17 MM)
INSULATION MATERIAL & DIA: FR POLYOLEFIN
.123" NOM. (3.12 MM)
CABLING LAY-UP: BLUE, FILLER, NAT, FILLER
SHIELD TYPE & % COVERAGE: 1ST LAYER: BELDFOIL W/
#20 (7X28) TINNED COPPER
DRAIN WIRE, 100% COVERAGE
2ND LAYER: TINNED COPPER
BRAID, 55% COVERAGE
INNER JACKET MATERIAL & DIA.: PVC (BLUE)
.388" NOM. (9.8 MM)
AN INTERLOCKED ALUMINUM ARMOR & PVC JACKET ARE APPLIED
OVER THE BELDEN 3073F CORE.
DIAMETER OVER ARMOR: .59"
DIAMETER OVER PVC JACKET: .71"
MIN. BENDING RADIUS: 8.5"
NOM. WEIGHT/1000': 231 LBS.
MAX. PULLING TENSION: 245 LBS.
APPLICABLE SPECIFICATIONS: UL TYPE PLTC OR ITC OR CM
CSA TYPE CMG
FLAME RATING: UL 1685 VERTICAL TRAY