

123084A

I. DESCRIPTION:

2 PAIRS, 1-22 AWG (19 X 34) TINNED COPPER POWER
PAIR, 1 - 24 AWG (19 X 36) TINNED COPPER DATA PAIR,
INDIVIDUALLY SHIELDED, OVERALL TINNED COPPER BRAID
SHIELD, PVC JACKETED DEVICE BUS(TM) TRUNK CABLE,
ALUMINUM INTERLOCKED ARMOR, OVERALL PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 150 V RMS (CMG, CL2)
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C (22 AWG): 2.4 A
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C (24 AWG): 1.7 A
NOM. CAPACITANCE BETWEEN
CONDUCTORS OF DATA PR @ 1 MHZ: 12 PF/FT.
NOM. IMPEDANCE (DATA PR ONLY): 120 OHMS +/- 12 OHMS
MAX. DELAY (DATA PR ONLY): 1.36 NS/FT
MIN. VELOCITY OF PROPAGATION
(DATA PR ONLY): 75%
MAX. ATTENUATION (DATA PAIR ONLY):
@ 125 KHZ: .29 DB/100'
@ 500 KHZ: .5 DB/100'
@ 1 MHZ: .7 DB/100'
MAX. CONDUCTOR DC RESISTANCE
@ 20 DEG C (22 AWG): 17.5 OHMS/1000'
MAX. CONDUCTOR DC RESISTANCE
@ 20 DEG C (24 AWG): 27.7 OHMS/1000'
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C: 3.2 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -40C TO +75C DEG.
INSULATION MATERIAL:
DATA PAIR: FOAMED PE
POWER PAIR: PVC
INNER JACKET MATERIAL(COLOR): PVC (LT. GRAY)
TYPE SHIELD AND % COVERAGE
(INDIVIDUAL): POLYESTER/ALUM - 100%
(OVERALL): TC BRAID - 65%
TWISTED PAIR LAY LENGTH: 2.5" (4.8 TWISTS/FT)



Technical Data Sheet

FLEX LIFE (CORE ONLY):

+/- 90 DEGREE FLEX TEST, 2" DIA.

2000 CYCLES MINIMUM

NOM. O.D.(CORE):

.275" ESTIMATED

IV. COLOR CODE:

DATA PAIR

POWER PAIR

BLUE&WHITE

BLACK&RED

AN INTERLOCKED ALUMINUM ARMOR & PVC JACKET ARE APPLIED
OVER THE BELDEN 3084A CORE.

DIAMETER OVER ARMOR:

.484"

DIAMETER OVER PVC JACKET:

.574"

MIN. BENDING RADIUS:

6.9"

NOM. WEIGHT/1000':

150 LBS.

MAX. PULLING TENSION:

215 LBS.

SPECIFICATIONS:

CSA/UL CMG

UL CL2

CSA HLBCD (HAZ LOC)

FLAME RATING:

CSA FT4 VERTICAL TRAY

(70,000 BTU/HR)