

Technical Data Sheet

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

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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)