

11-10-08 REV. 2

123079A
BELDEN DATABUS SERIES
PROFIBUS CABLE

I. DESCRIPTION:

22 AWG SOLID BARE COPPER; 1 PAIR FLAME RETARDANT
POLYETHYLENE INSULATED, OVERALL BELDFOIL + TINNED
COPPER BRAID SHIELD, PVC INNER JACKET, INTERLOCKED
ALUMINUM ARMOR, PVC OUTER JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. PAIR CAPACITANCE @ 1 KHZ: 8.5 PF/FT
IMPEDANCE (3-20 MHZ): 150+/-15 OHMS
NOM. CONDUCTOR DCR @ 20C: 52 OHMS/1000'
VELOCITY OF PROPAGATION: 78%
BALANCED ATTENUATION @ 0.20 MHZ: 9 DB/KM MAX
@ 4.00 MHZ: 22 DB/KM MAX
@ 16.0 MHZ: 45 DB/KM MAX
NOM. LOOP INDUCTANCE: .282 MICRO-H/FT

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +75 DEG C
INSULATION MATERIAL: FLAME RETARDANT PE
INNER JACKET MATERIAL: PVC
TYPE SHIELDS AND % COVERAGE: BELDFOIL; 100%
T.C BRAID; 65%
MAX. PULLING TENSION: 50 LBS. ESTIMATED

AN INTERLOCKED ALUMINUM ARMOR AND OUTER PVC JACKET ARE
APPLIED OVER THE BELDEN 3079A CORE.

CORE DIAMETER: .315" NOMINAL
ARMOR DIAMETER: .520" NOMINAL
OVERALL DIAMETER: .620" NOMINAL
MIN. BEND RADIUS: 7.50"
APPLICABLE SPECIFICATIONS: UL TYPE PLTC, CMG
FLAME RESISTANCE: UL 1581 VERTICAL TRAY
CSA FT4
COLOR CODE: RED AND GREEN