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Belden Wire & Cable Company      Product Code      Technical
                                129730           Data Sheet
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04-08-05 REV. 2

129730

I. DESCRIPTION:

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24 AWG (7 X #32) TINNED COPPER - 3 INDIVIDUALLY
SHIELDED PAIRS, EACH WITH 24 AWG (7 X #32) TINNED
COPPER DRAIN WIRE, PVC INNER JACKET, ALUMINUM
INTERLOCKED ARMOR, PVC OUTER JACKET.

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II. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE:           300 VRMS
MAX. CONTINUOUS CURRENT PER
CONDUCTOR @ 25 DEG. C:           2.5 A
NOM. CAPACITANCE BETWEEN
CONDUCTORS OF PAIR @ 1 KHZ:      12.5 PF/FT. ESTIMATED
NOM. CAPACITANCE CONDUCTOR
TO SHIELD @ 1 KHZ:*              23.2 PF/FT. ESTIMATED
NOM. IMPEDANCE:                   100 OHMS
NOM. INDUCTANCE OF PAIRS:         .15 MICRO-H/FT. ESTD
NOM. CONDUCTOR OF DC RESISTANCE
@ 20 DEG. C:                      24 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C:                      18 OHMS/1000 FT.

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*ONE CONDUCTOR TO OTHER CONDUCTORS AND SHIELD ATTENUATION

2 MHZ: 1.41 DB/100 FT.	6 MHZ: 2.10 DB/100 FT.
3 MHZ: 1.63 DB/100 FT.	11 MHZ: 2.79 DB/100 FT.
4 MHZ: 1.80 DB/100 FT.	12 MHZ: 2.90 DB/100 FT.
5 MHZ: 1.98 DB/100 FT.	24 MHZ: 4.01 DB/100 FT.

III. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RATING:               -20 TO +80 DEG.C
INSULATION MATERIAL:              DATALENE
JACKET MATERIAL:                  PVC
TYPE SHIELD AND % COVERAGE:      ALUM/POLYESTER - 100%
MAX. PULLING TENSION:             51 LBS. ESTIMATED
MIN. BEND RADIUS:                 6.4" ESTIMATED
NOM. WEIGHT/1000 FT.:            170 LBS. ESTIMATED

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AN ALUMINUM INTERLOCKED ARMOR AND PVC OUTER JACKET ARE APPLIED OVER THE BELDEN 9730 CORE.

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CORE DIAMETER:                    .334" NOMINAL
ARMOR DIAMETER:                   .544" NOMINAL
OVERALL DIAMETER:                 .634" NOMINAL
WEIGHT/1000':                     158 LBS
APPLICABLE SPECIFICATIONS:        UL TYPE CM, CSA TYPE
                                   CMG, HAZARDOUS
                                   LOCATIONS HLBCD
FLAME RESISTANCE:                 UL 1581 VERTICAL TRAY
COLOR CODE:                       BLACK&RED, BLACK&WHITE,
                                   BLACK&GREEN

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