

Belden Wire &amp; Cable Company

PRODUCT CODE  
9860TECHNICAL  
DATA SHEET

05-19-97 REV. 11

9860

## I. DESCRITPION:

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2 #16 AWG SOLID BARE COPPER, 124 OHM TWINAXIAL CABLE.

## II. ELECTRICAL CHARACTERISTICS:

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NOM. IMPEDANCE: 124 OHMS  
NOM. CAPACITANCE BETWEEN  
CONDUCTORS: 10.9 PF/FT.  
NOM. CAPACITANCE BETWEEN  
CONDUCTOR AND OTHER CONDUCTOR  
CONNECTED TO SHIELD: 19.3 PF/FT  
NOM. VELOCITY OF PROPAGATION: 78%  
NOM. DELAY: 1.3 NS/FT.  
NOM. LOOP INDUCTANCE: .24 MICRO H/FT.

## ATTENUATION:

## NOMINAL

MHZ	DB/100 FT.
1	.18
10	.71
50	1.8
100	2.9
200	4.1
400	6.2

NOM. SHIELD DC RESISTANCE: 1.3 OHMS/1000 FT.  
NOM. CONDUCTOR DC RESISTANCE: 4.2 OHMS/1000 FT.  
VOLTAGE RATING: 150 V RMS - UL  
300 V RMS - NON-UL

## III. PHYSICAL CHARACTERISTICS:

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NOM. WEIGHT/1000 FT.: 98 LBS.  
MIN. BEND RADIUS: 4.5"  
TEMPERATURE RATING: -20 TO +60 DEG. C  
SHIELD TYPE AND & COVERAGE: DUOFOIL +90% T.C BRAID  
MAX. PULLING TENSION: 170 LBS.  
INSULATION MATERIAL: CELLULAR POLYETHYLENE  
JACKET MATERIAL: BLACK PVC  
OUTSIDE DIMENSIONS: .440"  
APPLICABLE SPECIFICATION: UL TYPE CL2X OR AWM 2448  
OR CMX  
CSA C(UL) CMX  
FLAME RESISTANCE: VW-1

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END OF DATA FOR PRODUCT - 9860

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