

Belden Wire & Cable Company

PRODUCT CODE
8112TECHNICAL
DATA SHEET

07-12-94 REV. 8

8112

I. DESCRIPTION:

 24 AWG (7X32) TINNED COPPER, 24 AWG (7X32) TCDW,
 12-1/2 PAIRS, CELLULAR POLYOLEFIN INSULATION, OVERALL
 POLYESTER/ALUM TAPE AND TINNED COPPER BRAID SHIELD,
 PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

 MAX. OPERATING VOLTAGE: UL AWM 2919-30 V RMS
 UL TYPE CM-300 V RMS
 MAX. CONTINUOUS CURRENT PER
 CONDUCTOR @ 25 DEG. C: 1.1 A
 NOM. CAPACITANCE BETWEEN
 CONDUCTOR @ 1 KHZ: 12.5 PF/FT.
 NOM. CAPACITANCE CONDUCTOR TO
 SHIELD @ 1 KHZ (ONE CONDUCTOR
 TO OTHER CONDUCTORS & SHIELD): 22 PF/FT
 NOM. IMPEDANCE OF PAIRS: 100 OHMS
 NOM. CONDUCTOR DC RESISTANCE
 @ 20 DEG. C: 24 OHMS/1000 FT.
 NOM. VELOCITY OF PROPAGATION: 78%

III. PHYSICAL CHARACTERISTICS:

 TEMPERATURE RATING: -30 TO +80 DEG. C
 INSULATION MATERIAL: CELLULAR POLYOLEFIN
 JACKET MATERIAL (COLOR): PVC (CHROME)
 TYPE SHIELD AND % COVERAGE: POLYESTER/ALUM TAPE
 65% TC BRAID, OVERALL
 MAX. PULLING TENSION: 77 LBS.
 MIN. BEND RADIUS: 4.5"
 NOM. WEIGHT/1000 FT.: 101.4 LBS.
 NOM. DIAMETER: .440"
 APPLICABLE SPECIFICATIONS: UL CM, AWM 2919 CSA PCC
 FLAME RESISTANCE: UL 1581, CSA FT1

IV. COLOR CODE:

PR #	COLOR COMBINATION	PR #	COLOR COMBINATION
1	WHITE-BLUE STRIPE BLUE-WHITE STRIPE	2	WHITE-ORANGE STRIPE ORANGE-WHITE STRIPE
3	WHITE-GREEN STRIPE GREEN-WHITE STRIPE	4	WHITE-BROWN STRIPE BROWN-WHITE STRIPE
5	WHITE-GRAY STRIPE GRAY-WHITE STRIPE	6	RED-BLUE STRIPE BLUE-RED STRIPE
7	RED-ORANGE STRIPE ORANGE-RED STRIPE	8	RED-GREEN STRIPE GREEN-RED STRIPE
9	RED-BROWN STRIPE	10	RED-GRAY STRIPE

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BROWN-RED STRIPE

GRAY-RED STRIPE

11 BLACK-BLUE STRIPE
BLUE-BLACK STRIPE

12 BLACK-ORANGE STRIPE
ORANGE-BLACK STRIPE
PLUS 1 CONDR. GRAY

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END OF DATA FOR PRODUCT - 8112

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