

To: BELDEN

From: BELDEN

Belden Wire & Cable Company

PRODUCT CODE
8106

961-826

TECHNICAL
DATA SHEET

07-31-97 REV. 7

8106

I. DESCRIPTION:

24 AWG (7X32) TINNED COPPER, 24 AWG (7X32) TCDW, 6 PAIRS, CELLULAR POLYOLEFIN INSULATION, OVERALL POLYESTER/ALUM. TAPE AND TINNED COPPER BRAID SHIELD, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	30 VRMS
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C:	1.5 A
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 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% T.C. BRAID, OVERALL
MAX. PULLING TENSION:	71.5 LBS.
MIN. BEND RADIUS:	3.5"
NOM. WEIGHT/1000 FT.:	60.5 LBS.
NOM. DIAMETER:	.341"
APPLICABLE SPECIFICIATIONS:	UL CM,AWM2919,CEC C(UL)CM
FLAME RESISTANCE:	UL-1581

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

***** END OF DATA FOR PRODUCT - 8106 *****