

Belden Wire & Cable Company

PRODUCT CODE  
8102

961 784

TECHNICAL  
DATA SHEET

07-31-97 REV. 8

8102

I. DESCRIPTION:

24 AWG (7X32) TINNED COPPER, 24 AWG (7X32) TCDW, 2 PAIR,  
CELLULAR POLYOLEFIN INSULATION WITH OVERALL POLYESTER/ALUM.  
TAPE/TINNED COPPER BRAID SHIELD, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 VRMS (TYPE CM) 30 VRMS (AWM 2919)
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C:	1.8 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	27.5 LBS
MIN. BEND RADIUS:	2.75"
NOM. WEIGHT/1000 FT.:	37 LBS
NOM. DIAMETER:	.270"
APPLICABLE SPECIFICICATIONS:	UL CM,AWM2919,CEC C(UL) CM
FLAME RESISTANCE:	UL 1581

IV. COLOR CODE:

PAIR NO.	COLOR COMBINATION
1	WHITE-BLUE STRIPE BLUE-WHITE STRIPE
2	WHITE-ORANGE STRIPE ORANGE-WHITE STRIPE

\*\*\*\*\* END OF DATA FOR PRODUCT - 8102 \*\*\*\*\*