

Belden Wire & Cable Company

PRODUCT CODE
9842

961 735

TECHNICAL
DATA SHEET

12-06-96 REV. 9

9842

I. DESCRIPTION

24 AWG (7 X 32) TINNED COPPER 2 POLYETHYLENE INSULATED
TWISTED PAIR WITH OVERALL BELDFOIL/COPPER BRAID SHIELD,
24 AWG TINNED COPPER DRAIN WIRE CHROME COLORED PVC
JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE	300 VRMS (CM APPLICATION) 30 VRMS (AWM APPLICATION)
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C	2.1 A
NOM. CAPACITANCE BETWEEN CONDUCTORS @ 1 KHZ	12.8 PF/FT.
NOM. CAPACITANCE CONDUCTOR TO SHIELD @ 1 KHZ*	23.0 PF/FT.
NOM. IMPEDANCE	120 OHMS
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C	24 OHMS/1000 FT
NOM. SHIELD DC RESISTANCE @ 20 DEG. C	2.20 OHMS/1000 FT.
NOM. VELOCITY OF PROPAGATION	66%
NOM. DELAY	1.6 NS/FT.
NOM. ATTENUATION @ 1 MHZ.	.6 DB/100 FT.

*ONE CONDUCTOR TO OTHER CONDUCTOR AND SHIELD

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING	-30 TO +80 DEG.C
INSULATION MATERIAL	POLYETHYLENE
JACKET MATERIAL (COLOR)	PVC (CHROME)
TYPE SHIELD AND % COVERAGE	BELDFOIL/BRAID 100% 90%
TWISTED PAIR LAY LENGTH	1.0" L.H. LAY
MIN. BEND RADIUS	3.5"
NOM. WEIGHT/1000 FT.	65 LBS.
MAX. PULLING TENSION:	87 LBS.
NOM. CABLE O.D.:	.336"
APPLICABLE SPECIFICATIONS	UL NEC TYPE CM OR AWM 2919 CSA C(UL) CM

IV. COLOR CODE:

PR #	COLOR COMBINATION
1	WHITE/BLUE & BLUE/WHITE
2	WHITE/ORANGE & ORANGE WHITE

***** END OF DATA FOR PRODUCT - 9842 *****