

Belden Wire & Cable Company

PRODUCT CODE
9271

961-760

TECHNICAL
DATA SHEET

05-18-95 REV. 7

9271

I. DESCRIPTION:

#25 (7X33) AWG TINNED COPPER, 2 CONDUCTORS, 124 OHM TWINAX.

II. ELECTRICAL CHARACTERISTICS:

NOM. IMPEDANCE:	124 OHMS
NOM. INDUCTANCE:	.188 MICRO-H/FT.
NOM. CAPACITANCE BETWEEN CONDUCTORS:	12.2 PF/FT.
CONDUCTOR TO SHIELD:	22.0 PF/FT.
NOM. VELOCITY OF PROPAGATION:	66%
NOM. DELAY:	1.54 NS/FT.
ATTENUATION	

NOMINAL

MHZ	DB/100 FT.
1	0.6
10	1.7
50	3.6
100	5.0
200	6.9
400	9.6

NOM. SHIELD DC RESISTANCE:	12.0 OHMS/1000 FT.
NOM. CONDUCTOR DC RESISTANCE:	31.8 OHMS/1000 FT.
MAX. OPERATING VOLTAGE:	300 V RMS

III. PHYSICAL CHARACTERISTICS

NOM. WEIGHT/1000 FT.:	25 LBS
MIN. BENDING RADIUS:	2.5"
TEMPERATURE RATING:	-40 TO +80 DEG.C
MAX. PULLING TENSION:	17 LBS
SHIELD TYPE AND % COVERAGE:	ALUM/POLYESTER; 100% #22 (7X30) AWG T.C. DRAIN
INSULATION MATERIAL:	POLYETHYLENE
COLOR CODE:	BLUE, CLEAR
JACKET MATERIAL (COLOR):	PVC (BLUE)
NOM. DIAMETER:	.240"
APPLICABLE SPECIFICATIONS:	UL TYPE CM OR AWM 2092 CSA C(UL) CM
FLAME RESISTANCE:	UL 1581 VERTICAL TRAY

***** END OF DATA FOR PRODUCT - 9271 *****