

Belden Wire & Cable Company

PRODUCT CODE  
8451

TECHNICAL  
DATA SHEET

02-21-92 REV. 4

8451

I. DESCRIPTION:

22 AWG (7X30) TINNED COPPER, POLYPROPYLENE INSULATED,  
TWISTED SHIELDED PAIR, FOIL TAPE SHIELD, 22 AWG (7X30)  
TINNED COPPER DRAIN WIRE, PVC JACKET.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	300 V RMS
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C:	2.9 AMPS
NOM. IMPEDANCE:	45 OHMS
NOM. CAPACITANCE BETWEEN CONDUCTORS OF PAIR @ 1 KHZ:	34 PF/FT
NOM. CAPACITANCE CONDUCTOR TO SHIELD SHIELD @ 1 KHZ*:	67 PF/FT.
NOM. INDUCTANCE OF PAIR:	.17 MICRO-H/FT.
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C:	16 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE @ 20 DEG. C:	11.85 OHMS/1000 FT.
*ONE CONDUCTOR TO OTHER CONDRS. AND SHIELD	

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-30 TO +60 DEG.C
INSULATION MATERIAL:	POLYPROPYLENE
JACKET MATERIAL (COLOR):	PVC (BLACK OR GRAY)
TYPE SHIELD AND % COVERAGE:	ALUM/POLYESTER; 100%
PAIR LAY LENGTH	1.75" (6.86 TWIST/FT)
MAXIMUM PULLING TENSION:	27 LBS
MIN. BEND RADIUS:	1.35"
NOM. WEIGHT/1000 FT.:	13.6 LBS.
APPLICABLE SPECIFICATION:	UL TYPE CM CSA TYPE PCC
FLAME RESISTANCE:	UL1581 VERTICAL TRAY CSA FT1

IV. COLOR CODE:

BLACK, RED

\* \* \* \* \*

END OF DATA FOR PRODUCT - 8451

\* \* \* \* \*