

Belden Wire & Cable Company

PRODUCT CODE
3084ATECHNICAL
DATA SHEET

08/08/95 REV. 3

3084A

I. DESCRIPTION:

2 PAIRS, 1-22 AWG (19 X 34) TINNED COPPER POWER PAIR,
1 - 24 AWG (19 X 36) TINNED COPPER DATA PAIR, INDIVIDUALLY
SHIELDED, OVERALL TINNED COPPER BRAID SHIELD, PVC JACKETED
DEVICE BUS(TM) DROP CABLE.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE:	150 V RMS PER UL
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C (22 AWG):	2.4 A
MAX. CONTINUOUS CURRENT PER CONDUCTOR @ 25 DEG. C (24 AWG):	1.7 A
NOM. CAPACITANCE BETWEEN CONDUCTORS OF DATA PR @ 1 MHZ:	12 PF/FT.
NOM. IMPEDANCE (DATA PR ONLY):	120 OHMS +/- 12 OHMS
MAX. DELAY (DATA PR ONLY):	1.36 NS/FT
MIN. VELOCITY OF PROPAGATION (DATA PR ONLY):	75%
MAX. ATTENUATION (DATA PAIR ONLY):	
@ 125 KHZ:	.29 DB/100'
@ 500 KHZ:	.5 DB/100'
@ 1 MHZ:	.7 DB/100'
MAX. CONDUCTOR DC RESISTANCE @ 20 DEG C (22 AWG):	17.5 OHMS/1000'
MAX. CONDUCTOR DC RESISTANCE @ 20 DEG C (24 AWG):	27.7 OHMS/1000'
NOM. SHIELD DC RESISTANCE @ 20 DEG. C:	3.2 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING:	-20 TO +75 DEG.C (UL) -20 TO +80 DEG.C (CSA)
INSULATION MATERIAL:	
DATA PAIR:	FOAMED PE
POWER PAIR:	PVC W/NYLON SKIN
JACKET MATERIAL (COLOR):	PVC (LT. GRAY)
TYPE SHIELD AND % COVERAGE (INDIVIDUAL):	POLYESTER/ALUM - 100%
(OVERALL):	TC BRAID - 65%
TWISTED PAIR LAY LENGTH:	2.5" (4.8 TWISTS/FT.)
MAXIMUM PULLING TENSION:	65 LBS.
NOM. O.D.:	.275"
MIN. BEND RADIUS:	2.7"
NOM. WEIGHT/1000 FT:	41 LBS.
APPLICABLE SPECIFICATIONS:	UL CMG OR CL2 CSA AWM I/II B UL 1581, CSA FT4
FLAME RESISTANCE:	

IV. COLOR CODE:

DATA PAIR

POWER PAIR

To: UK, PAT

From: L. VAROVIC

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TECHNICAL
DATA SHEET

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BLUE&WHITE

BLACK&RED

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