

4

3

2

1

THIS DRAWING IS UNPUBLISHED.

RELEASED FOR PUBLICATION

ALL RIGHTS RESERVED.

COPYRIGHT

LOC

DIST

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
W2		REVISED PER ECO-11-005140	30MAR11	RK	HMR

Diagram showing a cross-section of a flat ribbon cable with dimensions and labels:

- Dimension A:  $\triangle 8$
- Dimension B:  $\begin{matrix} +.006 \\ -.004 \end{matrix}$
- Dimension C:  $\begin{matrix} +.005 \\ -.004 \end{matrix}$
- Dimension D:  $.025 \pm .002$
- Dimension E:  $.0125 \pm .002$  TYP
- Dimension F:  $.025 \pm .002$
- Dimension G:  $.006$  MINIMUM INSULATION THICKNESS
- Dimension H:  $.025 \pm .002$
- Labels: #30 AWG SOLID BARE COPPER, PVC INSULATION

- CABLE CERTIFIED TO:
  - UL CABLE STYLE: 2678
- CABLE PHYSICAL SPECIFICATIONS:
  - TEMPERATURE RATING:  $-20^{\circ}\text{C}$  TO  $+105^{\circ}\text{C}$
  - FLAMMABILITY:
    - UL: VW1
  - INSULATION: GRAY FLAME RETARDANT FLEXIBLE PVC
  - CONDUCTORS: #30 AWG SOLID BARE COPPER
- ELECTRICAL REQUIREMENTS:
  - VOLTAGE: 150 VOLTS
  - IMPEDANCE: 80 OHMS
  - CAPACITANCE: 19.2 pF/FT AT 1MHZ
  - PROPAGATION DELAY: 1.55 ns/FT
  - INSULATION RESISTANCE:  $10^{10}$  OHMS/10 FT
  - CROSSTALK: 10 FT SAMPLE 5 ns RISE TIME (GND, SIG, GND)
    - NEAR END: 4.0%
    - FAR END: 6.0%

$\triangle 4$  RED EDGE MARK ON CONDUCTOR #1

$\triangle 5$  LENGTH PER REEL: 100 FT, REEL MAY CONTAIN SEPARATE LENGTHS  
20 FT MIN PER LENGTH

$\triangle 6$  LENGTH PER REEL: 500 FT, CONTINUOUS.

7. CABLE SURFACE PRINTED PER UL AND CSA REQUIREMENTS.

$\triangle 8$  DIMENSION A TOLERANCES  
0-68 POSN  $+0.005$ - $0.003$   
69-100 POSN  $+0.007$ - $0.003$

$\triangle 9$  OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

		REEL LENGTH	DIMENSION A	DIMENSION B	NO. OF COND.	PART NUMBER
	$\triangle 6$	.375	.400	.16	5-57013-2	
	$\triangle 5$	.375	.400	.16	5- -1	
	$\triangle 6$	.825	.850	.34	5- -0	
	$\triangle 5$	.825	.850	.34	4- -9	
	$\triangle 6$	.675	.700	.28	4- -7	
	$\triangle 5$	.675	.700	.28	4- -6	
	$\triangle 6$	.625	.650	.26	2- -6	
	$\triangle 5$	.625	.650	.26	2- -5	
		2.475	2.500	.100	2- -4	
		1.975	2.000	.080	2- -3	
$\triangle 9$ OBSOLETE		1.775	1.800	.072	2- -2	
		1.675	1.700	.068	2- -1	
		1.475	1.500	.060	2- -0	
		1.225	1.250	.050	1- -9	
$\triangle 9$ OBSOLETE		1.075	1.100	.044	1- -8	
		.975	1.000	.040	1- -7	
$\triangle 9$ OBSOLETE		.875	.900	.036	1- -6	
		.725	.750	.030	1- -5	
	$\triangle 5$	.575	.600	.024	1- -4	
	$\triangle 6$	.475	.500	.020	1- -3	
		1.675	1.700	.068	1- -1	
		1.225	1.250	.050	1- -0	
$\triangle 9$ OBSOLETE		1.075	1.100	.044	-9	
		.575	.600	.024	-8	
$\triangle 9$ OBSOLETE		.875	.900	.036	-7	
		.725	.750	.030	-6	
OBSOLETE		2.475	2.500	.100	-5	
		1.975	2.000	.080	-4	
		1.475	1.500	.060	-3	
		.975	1.000	.040	-2	
	$\triangle 6$	.475	.500	.020	57013-1	

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN KOPPENHEFFER 03APR92	TE Connectivity																	
DIMENSIONS: INCHES		CHK W. HARRIS 22APR92																		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD S. QURESHI 03APR92	NAME CA, FLAT RIBBON, .025 CL., #30 AWG, SOLID, PVC INSUL																	
<table border="1"> <tr> <td>0 PLC</td> <td><math>\pm</math></td> </tr> <tr> <td>1 PLC</td> <td><math>\pm .1</math></td> </tr> <tr> <td>2 PLC</td> <td><math>\pm .02</math></td> </tr> <tr> <td>3 PLC</td> <td><math>\pm .005</math></td> </tr> <tr> <td>4 PLC</td> <td><math>\pm .0005</math></td> </tr> <tr> <td>ANGLES</td> <td><math>\pm</math></td> </tr> <tr> <td>FINISH</td> <td></td> </tr> </table>		0 PLC	$\pm$	1 PLC	$\pm .1$	2 PLC	$\pm .02$	3 PLC	$\pm .005$	4 PLC	$\pm .0005$	ANGLES	$\pm$	FINISH		APPLICATION SPEC	SIZE A2	CAGE CODE 00779	DRAWING NO 57013	RESTRICTED TO
0 PLC	$\pm$																			
1 PLC	$\pm .1$																			
2 PLC	$\pm .02$																			
3 PLC	$\pm .005$																			
4 PLC	$\pm .0005$																			
ANGLES	$\pm$																			
FINISH																				
MATERIAL		WEIGHT	SCALE NTS		SHEET 1 OF 1	REV W2														
CUSTOMER DRAWING																				