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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	
		1.775	1.800	.072	1- -2	
		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.

DIMENSIONS: INCHES

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC	$\pm$
1 PLC	$\pm .1$
2 PLC	$\pm .02$
3 PLC	$\pm .005$
4 PLC	$\pm .0005$
ANGLES	$\pm$
FINISH	

DWN: KOPPENHEFFER 03APR92  
CHK: W. HARRIS 22APR92  
APVD: S. QURESHI 03APR92

NAME: CA, FLAT RIBBON, .025 CL., #30 AWG, SOLID, PVC INSUL

SIZE: A2 CAGE CODE: 00779 DRAWING NO: 57013 RESTRICTED TO: NTS

WEIGHT: CUSTOMER DRAWING SCALE: NTS SHEET: 1 OF 1 REV: W2