

APPLICATION		REVISIONS			
NEXT ASSY	USED ON	REV-	DESCRIPTION	DATE	APPROVED
		A	DCR#: D101209	10/26/12	CA

## SOURCE CONTROL DRAWING

### 1.0 SCOPE:

THIS SPECIFICATION DETAILS THE REQUIREMENTS FOR A 1-CONDUCTOR, 18AWG, PVC INSULATED WIRE.

### 2.0 APPLICABLE DOCUMENTS

ASTM D 3951 STANDARD PRACTICE FOR COMMERCIAL PACKAGING

### 3.0 ELEMENT 1:

#### PRIMARY WIRE

CONDUCTOR: 18 AWG, 168/40, 7X24/40, TIN PLATED COPPER (ROHS AND REACH COMPLIANT)

DCR: 7.00  $\Omega$ /1000FT MAX.

INSULATION: PVC (ROHS AND REACH COMPLIANT)

SPECIFIC GRAVITY: 1.28

HARDNESS: 82/72 C

DIELECTRIC: STRENGTH: 2500 PSI, ULTIMATE ELONGATION: 320%

WALL: 0.015" NOMINAL, CONCENTRICITY 70% MIN

DIAMETER: 0.082" NOMINAL

COLOR: TBD PER CUSTOMER PURCHASE ORDER

**NCR:HA006164**

**Color: black**

### 4.0 TESTING:

VISUAL: 100%

CONTINUITY: 100%

### 5.0 ELECTRICAL CHARACTERISTICS:

RATING: 80°C, 300VAC, HORIZONTAL FLAME, OIL RESISTANT 60°C or 80°C (OPTIONAL)

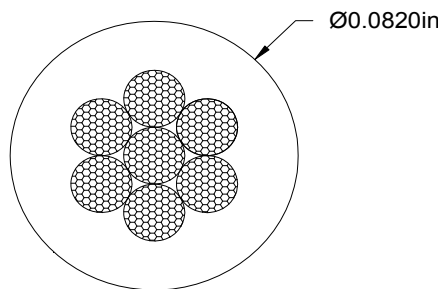
### 6.0 CERTIFICATIONS:

UL: UL STYLE 1007

### 7.0 PACKAGING:

CABLE TO BE PACKAGED IN SUCH A MANNER AS TO ASSURE PROTECTION FROM DAMAGE DURING NORMAL HANDLING AND STORAGE, IN ACCORDANCE WITH ASTM-D-3951.

### 8.0 CROSS-SECTIONAL DRAWING:



Functional Manufacturing	=	0
Functional Customer	=	0
Functional Performance	=	1
Issued by: Amy Wang		
Date: 2013-12-11		

		CONTRACT NO.		<b>CALMONT WIRE AND CABLE INC.</b> 420 EAST ALTON AVENUE, SANTA ANA, CALIFORNIA 92707, USA TEL: 714-549-0336 • FAX: 714-549-4028 www.calmont.com					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	APPROVALS	DATE	<b>PRIMARY WIRE</b> 1-CONDUCTOR, 18AWG, PVC INSULATED WIRE						
	DRAWN BY: CLARK ALANO	10/26/12							
MATERIAL	CHECKED BY: HUNG TRAN	10/26/12							
FINISH	ISSUED BY: CLARK ALANO	10/26/12	SIZE	A	CAGE	24027	DWG NO.	3007-4966-01-12	REV. A
DRAWING NOT TO SCALE			SCALE	N/A					SHEET 1/1