

LEGEND

- A. #18 AWG (19/30) T.C.
- B. SEMICON POLYETHYLENE TO  $\phi.080$
- C. LDHMW POLYETHYLENE TO  $\phi.230$
- D. BRAIDED SHIELD, #34 AWG T.C. , 6 ENDS  
16 CARRIER, 14 PICKS/IN 52° BRAID ANGLE
- E. JACKET: PVC: BLACK

NOTES:

1. TEST VOLTAGE: 70KVDC- 10 MINUTES
2. JACKET SPARK TEST: 5KV

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REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN GPLAMBERT	DATE 15NOV00	<b>DIELECTRIC SCIENCES, INC</b> CHELMSFORD, MASSACHUSETTS 01824
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED DJ LEARY	DATE 15NOV00	
				DECIMALS	APPROVED DJ LEARY	DATE 15NOV00	CABLE: COAXIAL 60KVDC
				ANGLES	MATERIAL		
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125√	FINISH		SIZE <b>A</b>
				DO NOT SCALE THIS DRAWING		FSCM NO. <b>50509</b>	DWG NO. 2149SVJ
							REV
						SCALE	SHEET 1 OF 1

## CABLE, H.V. SHIELDED

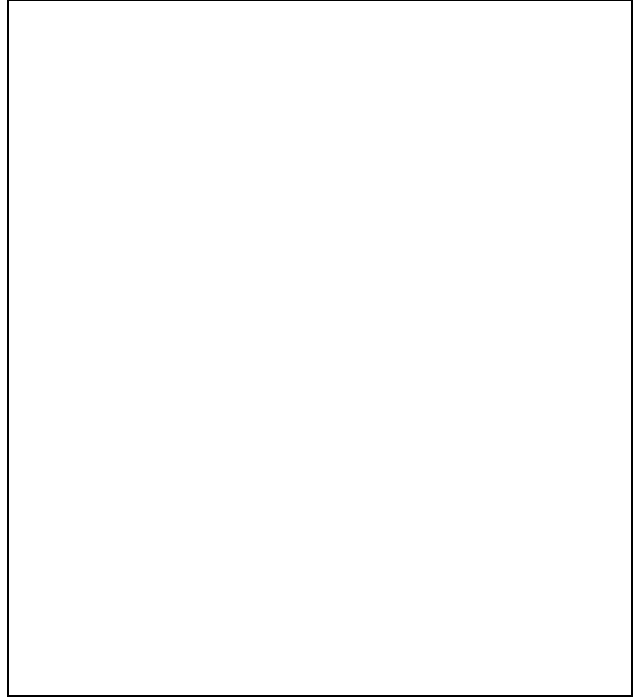
P/N: 2149SVJ

Working Voltage:	60	kVDC
		kVDC
Test Voltage:		kVDC
		kVDC

Dielectric: LDHMW polyethylene

Jacket Material: PVC

Characteristic Impedance:	50	ohm
Capacitance:	37	pF/Ft.
Minimum Bend Radius:	6	inches
Minimum Ambient Temp:	-60 °F	-50 °C
Maximum Conductor Temp:	140 °F	60°C
Maximum Relative Humidity:		%
Weight:	.05	lb/ft.



### Conductors

Main H.V. #18 AWG (19 x #30 AWG TC) ( 0.83 mm<sup>2</sup>)

Shield #34 AWG TC – 86% coverage equivalent to #17 AWG

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Terminations (DSI P/N)

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Notes

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Applications