



- A. CORE CONDUCTOR
#8AWG(49x) TIN PLATED COPPER
- B. SEMI CON EPR TO $\phi.220$, .020 MIN WALL
- C. INSULATING EPR TO $\phi.620\pm.010$
- D. SEMI CON TAPE TO $\phi.635\pm.010$
- E. SHIELD 0.010 TIN COATED COPPER BRAID
7 ENDS, 24 CARRIER
90% MINIMUM COVERAGE TO $\phi.675\pm.010$
- F. JACKET: VINYL; BLACK 0.05 WALL, TO $\phi0.775\pm0.015$

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REV	ECO NUMBER	APPD	DATE	UNLESS OTHERWISE SPECIFIED	DRAWN D. ABDULKY	DATE 11SEP06	DIELECTRIC SCIENCES, INC CHELMSFORD, MASSACHUSETTS 01824			
-	RELEASE DRAWING			DIMENSIONS ARE IN INCHES TOLERANCE ON	CHECKED	DATE				
				DECIMALS .XX ±.01 .XXX ±.005	ANGLES ±	APPROVED	DATE	CABLE: 1/C #8AWG		
				CONCENTRICITY .005 TIR REMOVE BURRS & SHARP EDGES ALL MACHINE SURFACES 125✓		MATERIAL				
					FINISH		SIZE A	FSCM NO. 50509	DWG NO. 2243	REV
				 			SCALE		SHEET	OF

DIELECTRIC SCIENCES INC.

88 TURNPIKE ROAD, CHELMSFORD, MASSACHUSETTS 01824
TELEPHONE (978) 250-1507
FAX No. (978) 250-1699

H.V. SHIELDED

P/N: 2243

Working Voltage:	150	kVDC
	45	kVAC
Test Voltage:		kVDC

Dielectric: EP Rubber

Jacket Material: black PVC

Characteristic Impedance:	40	ohm
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Capacitance:	51	pF/Ft.
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Minimum Bend Radius:	5	inches
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Maximum Conductor Temp:	250	°F	121 °C
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Maximum Relative Humidity:	100	%
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Weight:	0.45	lb/ft.
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Conductors

Main H.V. #8AWG (49x TC)

Shield 1 x #30 AWG tinned copper shield equivalent to #8 AWG

Additional Information



A HIGH VOLTAGE TECHNOLOGY GROUP COMPANY

