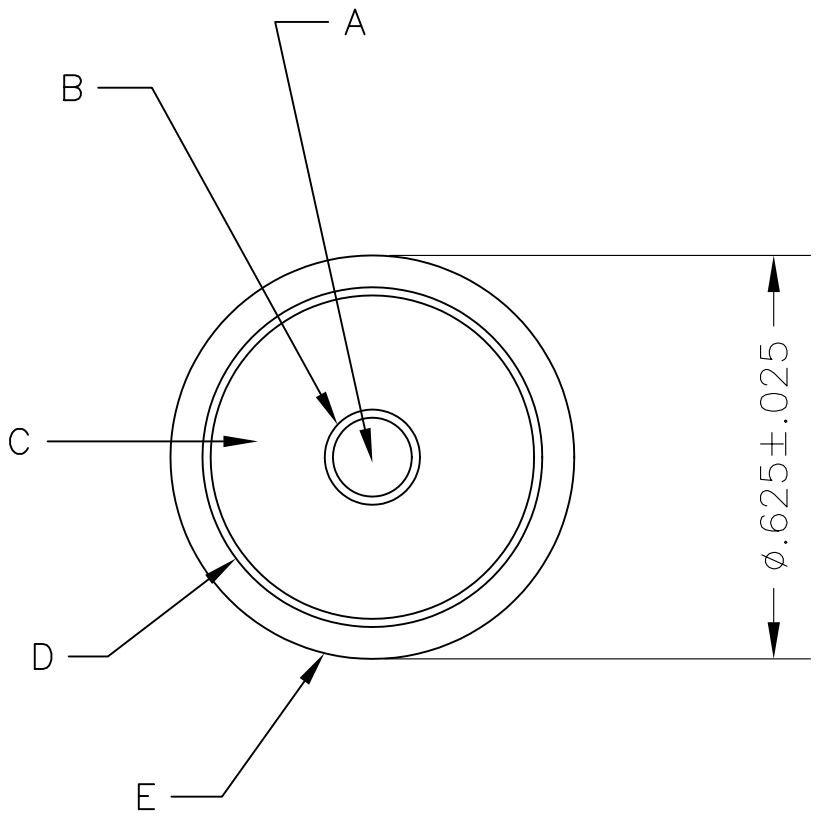
DWG NO.	2121	REV



LEGEND

A. #12 AWG (19/25) T.C.

B. SEMICON POLYETHYLENE TO ø.130

C. LDHMW POLYETHYLENE: NATURAL TO ø.490±.010

D. BRAIDED SHIELD, #34 AWG T.C., 90% COV
10 ENDS, 24 CARRIER

E. JACKET: PVC: BLACK (1 MIL MYLAR SEPARATOR TAPE MAY BE USED UNDER JACKET IF REQD)

NOTES:
1. TEST VOLTAGE: 165KVDC– 10 MINUTES
2. JACKET SPARK TEST: 5KV

REVISIONS			
REV	ECO NUMBER	APPD	DATE
–	RELEASE DRAWING		

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN INCHES
TOLERANCE ON

DECIMALS	ANGLES
.XX ±.01	±
.XXX ±.005	

CONCENTRICITY .005 TIR
REMOVE BURRS & SHARP EDGES
ALL MACHINE SURFACES 125√

DO NOT SCALE THIS DRAWING

DRAWN	GPLAMBERT	DATE 15NOV00
CHECKED	DJ LEARY	DATE 15NOV00
APPROVED	DJ LEARY	DATE 15NOV00
MATERIAL		
FINISH		

DIELECTRIC SCIENCES,INC
CHELMSFORD, MASSACHUSETTS 01824

CABLE: PULSE

SIZE	FSCM NO.	DWG NO.	REV
A	50509	2121	

SCALE

SHEET 1 OF 1

DIELECTRIC SCIENCES INC.

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

CABLE, H.V. SHIELDED

P/N: 2121

Working Voltage:			150	kVDC
				kVAC
Test Voltage:				kVDC
				kVAC
Dielectric:	low density high molecular weight polyethylene			
Jacket Material:	polyvinyl chloride			
Characteristic Impedance:			59	ohm
Capacitance:			29	pF/Ft.
Minimum Bend Radius:			8.5	inches
Minimum Ambient Temp:	-60	°F	-51	°C
Maximum Conductor Temp:	140	°F	60	°C
Maximum Relative Humidity:				%
Weight:	0.17	lb/ft.		

Conductors

Main H.V. #12 AWG (19x) (mm^2)

Shield #12 AWG equivalence, #34 AWG tinned copper braid