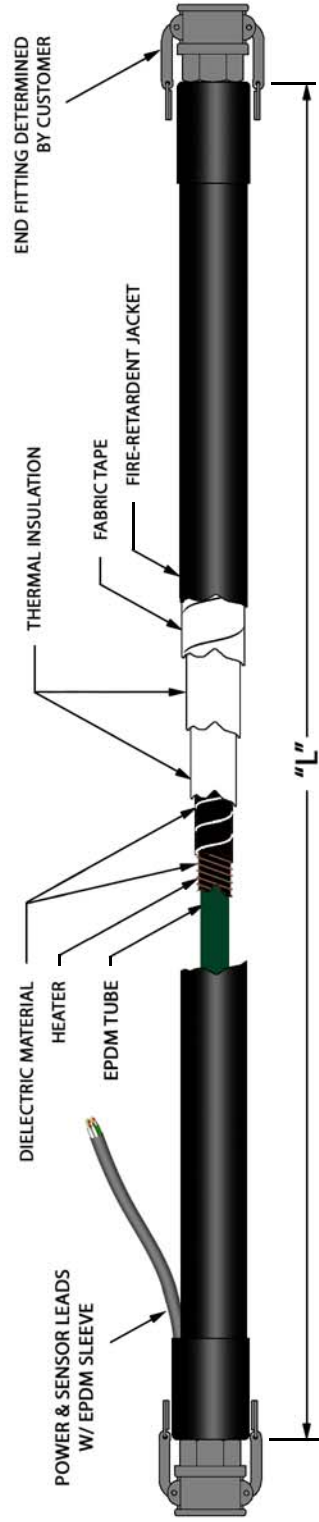


**PRODUCT REF. NO. COMPRISES
600-X-XXX**

(E.G.) 600-2"-30'
600 = BASIC P/N REFERENCE
-2" = SIZE OF CORE (i.e. 2" I.D.)
-30' = LENGTH OF HOSE



SELECTION OF RESISTANCE WIRE
(TYPICAL METHOD)

1. DETAIL WATTS/FT REQUIRED, USING EMPIRICAL DATA TAKING INTO ACCOUNT ΔT , HOSE SIZE, ETC.
2. SPECIFY SUPPLY VOLTAGE "V"
3. SPECIFY HOSE LENGTH "L" AND DIA. "D"
4. CALCULATE TOTAL WATTAGE ($W = W_{perFT} \times L$)
5. CALCULATE TOTAL RESISTANCE ($R = V^2/W$)
6. SPECIFY WINDING PITCH "P"
7. CALCULATE NO. OF TURNS ($N = L/P$)
8. CALCULATE LENGTH PER TURNS "T"
9. CALCULATE TOTAL LENGTH ($L = NT$)
10. CALCULATE REQ'D RESISTANCE PER FT (R/L)
11. SELECT WIRE FROM RESISTANCE TABLE

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		APPROVALS		DATE	
TOLERANCES ARE:	ANGLES	DESIGNED BY	DATE	DESIGNED BY	DATE
± .001	± .001	CHECKED BY	09/12/07	CHECKED BY	09/12/07
± .005	± .005	FIELD BY	09/12/07	FIELD BY	09/12/07
± .010	± .010	SCALE NONE		SCALE NONE	
MATERIAL		Technical Heaters, Inc. THERMOLAB			
FINISH		SIZE (CODE PART NO.) DRAWING NO. D 32446 600 SERIES NC			
DO NOT SCALE DRAWING		REVISION SHEET 1 OF 1			