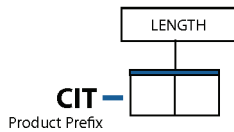


Cast Iron Protection Tubes (CIT)

- Used in reducing atmospheres to 1600 F non-oxidizing atmospheres to 2000°F
- Tubes 7/8" ID, 1 5/8" OD with 3/4" NPT internal thread
- Lengths 12" to 48", in 6" increments



CAST IRON PROTECTION TUBES	
LENGTH (In inches)	
12	12" Long
18	18" Long
24	24" Long
30	30" Long
36	36" Long
48	48" Long



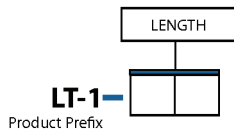
Example Ordering Number

CIT- 1 8

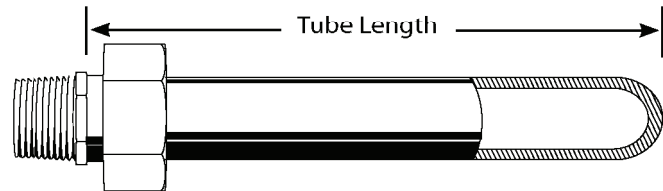
This is an 18" Cast Iron Protection Tube, with 3/4" FNPT Standard.

Metal Ceramic Protection Tube (LT-1)

- Excellent resistance in oxidizing atmospheres over 2200°F
- Resists wetting from metals, alloys, and furnace slags
- Superior to ceramics in thermal shock and mechanical shock
- Less resistant to shock and impact than metal alloys
- LT-1 tubes standard with 3/4" conduit connector
- Available lengths 12" to 48" in 6" increments

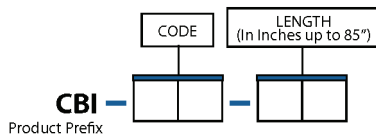


METAL CERAMIC PROTECTION TUBES	
LENGTH (In inches)	
12	12"
18	18"
24	24"
30	30"
36	36"
42	42"
48	48"



Ceramic Insulator (CBI)

- Thermocouple insulators withstand elevated temperatures and thermal shock
- Mullite max temp. 2800°F (Good Thermal Shock)
- Alumina max temp. 3400°F (Fair Thermal Shock)
- CEL stocks Mullite and Alumina insulators in many diameters, bore sizes and lengths



CERAMIC INSULATORS			
ALUMINA		MULLITE	
CODE	TYPE	CODE	TYPE
A1	1/8" OD .040" (2-bore)	M1	1/8" OD .040" (2-bore)
A2	3/16" OD .062" (2-bore)	M2	3/16" OD .062" (2-bore)
A3	1/4" OD .062" (2-bore)	M3	1/4" OD .062" (2-bore)
A4	3/16" OD .040" (4-bore)	M4	3/16" OD .040" (4-bore)
A5	1/4" OD .062" (4-bore)	M5	1/4" OD .062" (4-bore)
A6	.203" OD .040" (2-bore)	M6	.200" OD .040" (2-bore)