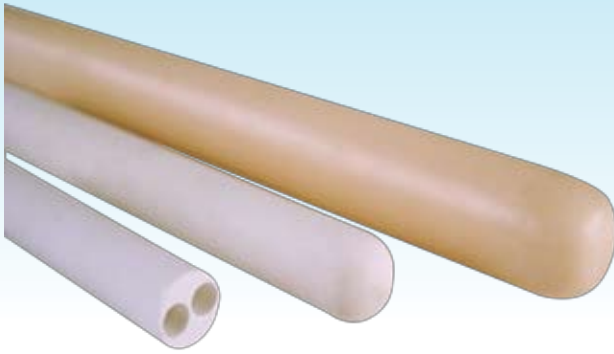


## CERAMIC TUBES



GRADE	C610	C799
Equivalent to:	Aluminous Porcelain / Pythagoras	Recrystallised Alumina / Alsint
<b>Chemical Analysis</b>		
AL2O3 Min	60	99.7
SiO <sub>2</sub> Max	35	0.2
Fe <sub>2</sub> O <sub>3</sub> Max	0.5	-
Na <sub>2</sub> O Max	1	0.2
<b>Physical Properties</b>		
Colour	White	Pink/Ivory/White
Sp.Gr. – gms/cc	2.8	3.9
Water Absorption	0	0
Max.Service Temp – °C	1450	1800
Gas Permeability	Nil	Nil
Hardness R45N	68	83
Chemical Resistivity	Good	Excellent
<b>Co-eff. Of Thermal Expansion – Linear Coefficient</b>		
(RT-1400° C) x 10 <sup>-6</sup> /°C Max.	-	8.3
Flexural Strength N/mm <sup>2</sup>	210	365
Tensile Strength N/mm <sup>2</sup>	-	260

All ceramics are supplied to coarse tolerances of DIN 40680

**PLEASE NOTE: If necessary we can maintain tighter tolerances than this however this must be expressed at time of order.**



### SILICON NITRIDE TUBES AVAILABLE ON REQUEST

SALES@TEMPERATURETECHNOLOGY.COM  
+44 (0) 1189 730 739

### C610 Material (Min. 60% alumina content)

Product Code	OD	ID	Length	Price Sterling	Price Euros
CTC-8x5-730-C610	8	5	730	£5.50	€7.15
CTC-10x6-780-C610	10	6	780	£4.50	€5.85
CTC-10x7-250-C610	10	7	250	£4.00	€5.20
CTC-10x7-1100-C610	10	7	1100	£6.00	€7.30
CTC-12x8-750-C610	12	8	750	£7.00	€9.10
CTC-12x8-1030-C610	12	8	1030	£8.00	€10.40
CTC-15x11-730-C610	15	11	730	£7.00	€9.10
CTC-15x11-740-C610	15	11	740	£7.20	€9.36
CTC-15x11-1030-C610	15	11	1030	£8.50	€11.05
CTC-15x11-1330-C610	15	11	1330	£9.00	€11.70
CTC-15x11-1430-C610	15	11	1430	£9.50	€12.35
CTC-24x18-1030-C610	24	18	1030	£10.00	€13.00
CTC-24x18-1430-C610	24	18	1430	£11.00	€14.30
CTC-26x18-740-C610	26	18	740	£9.75	€12.68
CTC-26x18-1030-C610	26	18	1030	£10.85	€14.11
CTC-26x18-1430-C610	26	18	1430	£15.00	€19.50

### C799 Material (Min. 99.7% alumina content)

Product Code	OD	ID	Length	Price Sterling	Price Euros
CTC-6x4-380-C799	6	4	380	£7.50	€9.75
CTC-8x5-605-C799	8	5	605	£10.00	€13.00
CTC-8x5-730-C799	8	5	730	£11.50	€14.95
CTC-10x6-530-C799	10	6	530	£11.90	€15.47
CTC-10x6-800-C799	10	6	800	£15.20	€20.15
CTC-10x6-1030-C799	10	6	1030	£19.00	€24.70
CTC-10x6-1430-C799	10	6	1430	£26.00	€33.80
CTC-10x6-1800-C799	10	6	1800	£32.50	€42.25
CTC-12x8-355-C799	12	8	355	£10.65	€13.85
CTC-12x8-760-C799	12	8	760	£18.20	€23.66
CTC-12x8-1030-C799	12	8	1030	£25.00	€32.50
CTC-12x8-1430-C799	12	8	1430	£34.50	€44.85
CTC-15x10-330-C799	15	10	330	£10.00	€13.00
CTC-15x10-530-C799	15	10	530	£15.00	€19.50
CTC-15x10-630-C799	15	10	630	£17.40	€22.62
CTC-15x10-730-C799	15	10	730	£20.00	€26.00
CTC-15x10-740-C799	15	10	740	£20.65	€26.85
CTC-15x10-830-C799	15	10	830	£23.50	€30.55
CTC-15x10-1030-C799	15	10	1030	£27.50	€35.75
CTC-15x10-1170-C799	15	10	1170	£29.50	€38.35
CTC-15x10-1230-C799	15	10	1230	£30.50	€39.65
CTC-15x10-1430-C799	15	10	1430	£38.00	€49.40
CTC-15x10-1830-C799	15	10	1830	£48.00	€62.40
CTC-17x12-800-C799	17	12	800	£24.50	€31.85
CTC-20x15-600-C799	20	15	600	£23.40	€30.42
CTC-20x15-800-C799	20	15	800	£30.85	€40.11
CTC-20x15-1000-C799	20	15	1000	£38.50	€50.05
CTC-20x15-1250-C799	20	15	1250	£48.00	€62.40
CTC-20x15-1600-C799	20	15	1600	£60.50	€78.65
CTC-24x18-1030-C799	24	18	1030	£44.20	€57.46
CTC-24x18-1430-C799	24	18	1430	£61.00	€79.30

## INSULATORS



Product Code	Material	OD	Bore No x Dia	Length	Price Sterling	Price Euros
CTI-3-2x1.0-510-C799	C799	3.0	2x1.0	510	£5.00	€6.50
CTI-4-2x1.2-800-C799	C799	4.0	2x1.2	800	£7.50	€9.75
CTI-4-2x1.2-1000-C799	C799	4.0	2x1.2	1000	£9.00	€11.70
CTI-4.2-4x1.3-760-C799	C799	4.2	4x1.3	760	£11.00	€14.30
CTI-5-2x1.0-1000-C799	C799	5.0	2x1.0	1000	£11.50	€14.95
CTI-5.5-2x1.2-1460-C799	C799	5.5	2x1.2	1460	£16.50	€21.45
CTI-5.5-4x1.2-1250-C799	C799	5.5	4x1.2	1250	£14.50	€18.85
CTI-8.5-4x1.5-770-C799	C799	8.5	4x1.5	770	£11.00	€14.30
CTI-8.5-4x1.5-1060-C799	C799	8.5	4x1.5	1060	£15.00	€19.50
CTI-8.5-4x1.5-1460-C799	C799	8.5	4x1.5	1460	£20.00	€26.00
CTI-9-2x3.8-50-C610	C610	9.0	2x3.8	50	£0.50	€0.65

## CERAMIC CEMENT & FIBRE ROPE

### Ceramic Cement +1600 degrees application



Cement (3kg)

Binder (1kg)

The cement is a two component system comprising of Cement and Binder. The mix ratio is approximately 75% by weight cement, 25% by weight binder. These can be purchased separately or as a package (3kg cement to 1kg binder). The two should be mixed together to a consistency similar to honey and then applied to the outer surface of the ceramic tube. The mix can also be applied to the ID of the holding tube (generally Stainless Steel) and the ceramic tube inserted. For best results mild heat can be applied to the holding tube to dry the mix. The cement becomes hard and ready to use as soon as it dries. Drying can be done as fast as 30 minutes.

Part No.	Description	Price Sterling	Price Euros
CT-CMB	Cement & Binder Package (3kg cement, 1kg binder)	£45.00	€58.50

### Fibre Rope



Stranded Ceramic Rope



Solid Ceramic Rope

The fibre can be tied onto the ceramic tube before fixing onto the metallic tube prior to sealing with cement. It is made up of long ceramic fibres woven to form a string. The thermal stability of these fibres is fairly good up to 1200°C which is sufficient for this application as the string is used at the cold end where the ceramic tube is held on to the stainless steel tube.



Part No.	Description	Price Sterling	Price Euros
CT-FR-S	Stranded Ceramic Rope 6mm diameter (25m roll)	£45.00	€58.50
CT-FR	Solid Ceramic Rope 6mm diameter (25m roll)	£45.00	€58.50

**Please Note:** All list prices are subject to change. Check website [www.temperaturetechnology.com](http://www.temperaturetechnology.com) for up to date information