

## DK-LOK CANADA PRE-INSULATED TUBING BUNDLES



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solutions today",



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## **DKC Tube Bundles**

DKC offers a wide range of Pre-insulated tubing bundles; from simple single tube insulation options; to more complex bundles with electrical heat trace with multiple process tubes. If you do not see your specific options in this brochure, please feel free to reach out to your local Dk-Lok Canada branch and they will assist you.

Pre-insulated tubing is used to transport steam, gas, or liquids. We provide a nominal jacket surface temperature of 60C or lower at 32C ambient and wind speeds of 5mph, while transporting 232C saturated steam.

## **Technical Info for the Jacket**

- Hardness, Shore A 90
- Minimum service temperature –40
- Minimum installation temperature –40°C
- UL94 Flame V0 to V2
- Maximum temperature 105°C
- UV resistant
- Non- Wicking Inorganic Fibrous Glass thermal insulation

Would like to add more spec info on the PIT itself, but may need to ask Bryce

Photo of zoomed in PIT, with jacket showing

## Tubing Technical Data

DKC tube bundles are made with the same quality tubing we sell on a regular basis. We follow ASTM A269/A213 standard, with the below chart showing pressure ratings. PIT is offered in ¼", 3/8", ½" and ¾".

### Stainless Steel Tubing

**Table 2. Fractional Seamless Stainless Steel Tubing**

Fully annealed austenitic Type 304 or 316 seamless tubing ASTM A269 or ASTM A213, or equivalent. Tubing to be free from scratches, draw mark, dirt, dust, flat spots, and suitable for bending and flaring. Recommended hardness:90 HRB or less.

OD in.	Wall Thickness (in.)																			
	0.012	0.014	0.016	0.02	0.028	0.035	0.049	0.065	0.083	0.095	0.109	0.12	0.134	0.156	0.188					
1/16	6800	8100	9400	12000																
1/8					8500	10900														
3/16					5400	7000	10200													
1/4					4000	5100	7500	10200												
5/16						4000	5800	8000												
3/8							3300	4800	6500	7500										
1/2								2400	3500	4700	6200									
5/8									2900	4000	5200	6000								
3/4										2400	3300	4200	4900	5800						
7/8											2000	2800	3600	4200	4800					
1												2400	3100	3600	4200	4700				
1 1/4													2400	2800	3300	3600	4100	4900		
1 1/2															2300	2700	3000	3400	4000	4900
2																2000	2200	2500	2900	3600

## Electrical Heat Trace Technical Data

Electrical Heat trace options, for a full detailed break down please see our website for our EHT brochure.

Do we want to mention c1d2? Or wait till c1d1 is done?

All DKC Heat Trace comes in 120v, or 240v. We have 4 wire options depending on temperature requirements.

1. **TRCR – Low Temp (65°C - 85°C)**
2. **TPCR - Medium Temp (110°C - 135°C)**
3. **TSCR – High Temp (150°C - 200°C)**
4. **TUCR – Ultra High Temp (210°C - 260°C)**



### **Crossover for other brands EHT**

To assist our customers who are currently buying their EHT from other vendors; we have provided a cross over reference guide.

Brand	Low Temp	Medium Temp	High Temp	Ultra High Temp
DK-Lok Canada	TRCR (65C, 85C)	TPCR (110C, 135C)	TSCR (150C, 200C)	TUCR (210C, 260C)
Thermon	BSX (65C, 85C)	KSX (121C, 121C)	HTSX (150C, 250C)	VSX (200C, 250C)
Raychem	BTV (65C, 85C)	QTVR (110C, 110C)	KTV (150C, 250C)	HTV (205C, 260C)
Chromalox	HSRL (65C, 85C)	SRP (110C,135C)	SRME (150C, 215C)	N/A



**Creating your tube bundle part number**

Pick all options to create a part number, if you do not require that option you may skip it. Example- if the bundle does not need to be traced you can ship Type of wire, Wattage of trace and Voltage.

<p><b>Size of Tubing</b></p> <p>¼ = 4</p> <p>3/8 = 6</p> <p>½ = 8</p> <p>¾ = 12</p>
<p><b>Type of bundle</b></p> <p>1 tube = 1</p> <p>2 tube = 2</p> <p>3 tube = 3</p>
<p><b>Thickness of 1<sup>st</sup> tube</b></p> <p>035 = 035</p> <p>049 = 049</p> <p>065 = 065</p>

TL6-1-049-R52-P-250-SS

PIT, 3/8", 1 bundle, 049 wall thickness, TRCR wire, 5 watt/240v, PVC jacket, 250', seamless 316 stainless steel

Photo- maybe a 2 or 3 bundle tube, ideally with heat trace

<p><b>Tubing Material</b></p> <p>316 Stainless = S</p>
<p><b>Type of Tubing</b></p> <p>Seamless = S</p> <p>Welded = W</p>
<p><b>Spool Length</b></p> <p>Enter length in feet</p>

<p><b>Thickness of 2<sup>nd</sup> tube (If applicable)</b></p> <p>035 = 035</p> <p>049 = 049</p> <p>065 = 065</p>	<p><b>Thickness of 3<sup>rd</sup> tube (If applicable)</b></p> <p>035 = 035</p> <p>049 = 049</p> <p>065 = 065</p>	<p><b>Type of Wire</b></p> <p>TRCR = R</p> <p>TPCR = P</p> <p>TSCR = S</p> <p>TUCR = U</p>
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<p><b>Wattage of Trace</b></p> <p>5w = 5</p> <p>8w = 8</p> <p>10w = 10</p> <p>12w = 12</p>	<p><b>Voltage of Trace</b></p> <p>120v = 1</p> <p>240v = 2</p>	<p><b>Jacket Material</b></p> <p>PVC = P</p> <p>Others?</p>
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## Bundle Accessories

### Boot end kits

Option depending on how many tubes are in your bundle. Seal-Tight end boot, single, double, triple.

1- Expanded I.D.: 2.16" (55mm) Recovered I.D.: 0.36" (9.2mm) Length: 5.9" (150mm)

2- suitable for cable between 150-240mm<sup>2</sup>

3- suitable for cable between 70-120mm<sup>2</sup>



### Cable Entry Seals :

Min. bundle outer diameter: 35mm Max. bundle outer diameter: 45mm Max. wall thickness: 25mm



### RVT End Sealand

100ml/pc, Working temperature: -45~205°C





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