

Pre-Insulated Tubing Series 2200

DEKORON®/Unitherm™ Series 2200 pre-insulated tubing is a thermally insulated transportation line suitable for steam, gas or liquid transport. Each line is comprised of the following elements:

- **Process tube**
- **Moisture-resistant, non-wicking, inorganic fibrous glass thermal insulation**
- **Weather protective, lead-free, low-temperature PVC jacket**

The energy-efficient design provides for nominal jacket surface temperatures of 140°F (60°C) or lower at 80°F (26°C) ambient conditions, while transporting 400°F (204°C) saturated steam. Higher temperature designs for applications of up to 1000°F (537.8°C) are available in product Series 2210.

Additional features of this product are:

- **Compact design**
- **Low heat loss**
- **Light, durable, easy to handle**
- **Zero maintenance**
- **Employee protection**
- **Continuous lengths up to 1000 feet (305 m)**
- **Easy to install**
- **Cost savings of up to 50% over field fabrication**

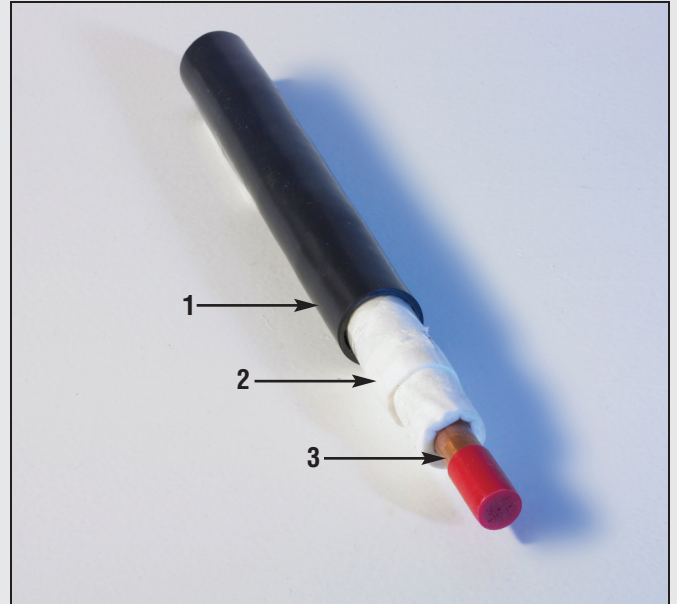
Applications for this product:

- **Steam supply lines**
- **Condensate return lines**
- **Gas transport lines**
- **Liquid transport lines**

Stock Items in this Series

2200-21A30	2200-20A35
2200-31A32	2200-30A35
2200-41A35	2200-40A35
2200-41A49	2200-47A35

For assistance in ordering this product, please contact your DEKORON®/Unitherm™ representative.



- 1- Choice of LT-FRPVC
FR-TPE
FR-Urethane
- 2- Fibrous glass thermal insulation
- 3- Process tube
Standard tube materials include:
 - **Welded or seamless 316 SS**
 - **DHP Copper #122**
 - **PFA Fluoropolymer**

Pre-Insulated Tubing Accessories

Pre-Insulated Tubing Accessories	Product Number
Seal-Tite End Boots	BOOT-1
Uniseal Cable Entry Seals	
4.5" Length	Seal 1.60
7.0" Length	Seal 2.75
Unicut™	1631-01001
End Sealant	
3 oz. tube	1535-02080
End Sealant 10.3 oz. Cartridge	1535-02120
Sealing Patch Kits	
8" x 8" Self-Sealing Patch	1540-10000
8" x *" Self-Sealing Roll	1540-20000

Pre-Insulated Tubing Series 2200

Product Specifications

Tube O.D.	Standard Wall Thickness***	Material (1)	ASTM	Working Pressure @400°F	Nom. Heat Loss @ 400°F	Nom. Bundle O.D.	Nom. Wght. Lbs/ft.	Min. Bend Radius
3 / 8"	.032"	#122 Copper	B-68 B-75	450 psi	50 BTU/hr/ft	1.05"	0.4	10"
1 / 2"	.035"	#122 Copper	B-68 B-75	360 psi	59 BTU/hr/ft	1.17"	0.4	12"
1 / 2"	.049"	#122 Copper	B-68 B-75	530 psi	59 BTU/hr/ft	1.17"	0.5	12"
3 / 4"	.049"	#122 Copper	B-68 B-75	340 psi	79 BTU/hr/ft	1.35"	0.7	14"
1 / 4"	.035"	316-S/S WLD	A-269	5170 psi**	42 BTU/hr/ft	0.92"	0.3	9"
3 / 8"	.035"	316-S/S WLD	A-269	3310 psi**	50 BTU/hr/ft	1.05"	0.4	10"
1 / 2"	.035"	316-S/S WLD	A-269	2430 psi**	59 BTU/hr/ft	1.17"	0.4	12"
1 / 2"	.049"	316-S/S WLD	A-269	2800 psi**	59 BTU/hr/ft	1.17"	0.5	12"
1 / 4"	.040"	PFA	D-6867	30 psi**	42 BTU/hr/ft	0.92"	0.2	9"
3 / 8"	.062"	PFA	D-6867	40 psi**	50 BTU/hr/ft	1.05"	0.3	10"
1 / 2"	.062"	PFA	D-6867	30 psi**	59 BTU/hr/ft	1.17"	0.3	12"

NOTES:

Nominal jacket surface temperature 104°F (60°C) @ 80°F (26°C) ambient and 400°F tube operating temperature

Metric available 6.8 and 10 mm O.D. x 1 mm WT Standard

** Values given are for welded; seamless slightly higher

***Heavier wall thickness available upon request

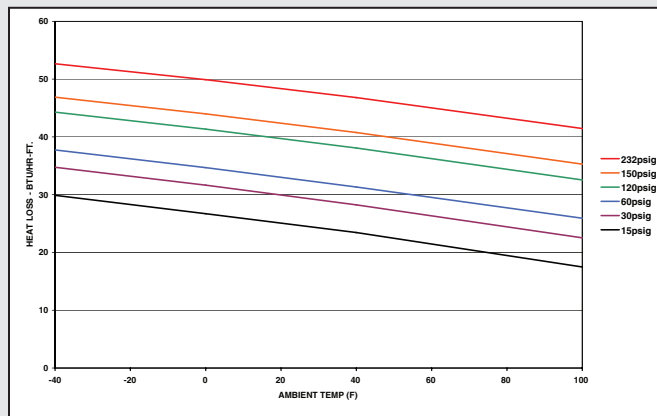
(1) Other tube materials available

Standard Jacket is Black, 105°C lead free, LT-FRPVC

Alternate Jacket Materials – 125°C FR-TPE, FR-Urethane

Product Rating 400°F (204°C)

Heat Loss vs. Ambient for Various Steam Pressures



Heat Loss Multipliers

2200	2200	2200	2200
1/4"	3/8"	1/2"	3/4"
1.0	1.3	1.5	1.9

