



TRANS-HEAT, LLC.

heat tracing specialists

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Romans 10:11 For whosoever believes on Him shall not be ashamed.

2256 TUBE BUNDLE

Tube Bundle



1. Process Tube
2. Heat Trace
3. Aluminum Mylar Wrap
4. Fiberglass Insulation
5. FRPVC Overjacket

2256 series tube bundle is a pre-insulated, heat traced fluid transport line for use in applications requiring freeze protection, process, or condensation prevention. The energy efficient, convenient design provides maintenance temperatures up to 250°F depending on tracer type. Tube bundle was designed to expedite and simplify the process of routing thermally insulated instrumentation, process, and gas sampling lines. It reduces manpower, waste, installation & material costs, takes up less space than field fabricated lines, and is extruded in a durable, impact/abrasion, & flame resistant PVC shell which ensures a 100% waterproof, UV proof seal. 2256 series can be configured with various tube types/sizes and self-regulating heating cables to ensure optimal maintenance temperatures for process, lag times and condensate abatement for precise instrument/sample readings. 2256 series are FM approved for use in Class 1 Division 2 areas.

- Process Analyzers
- Stack Gas sampling
- Gas transport lines
- Liquid transport lines
- Analyzer and instrument lines
- Small diameter process lines
- Impulse lines – D/P cells

- Compact Design
- Single or Multiple Process Tubes
- Low & High Temperature Self-Regulating Cables
- Low Heat Loss
- Low-Maintenance
- Intrinsic Safety
- Easy to Install
- Light, Durable, Easy to Handle
- Consistent Thermal Characteristics

Factory Mutual:

Ordinary locations
Hazardous locations
FM10ATEX0032X
FME10.0003X



ATEX:

Ex e IIC T6 Gb II2GD
Ex e II T6 II 2D Ex tb
IIIC IP66 T85C



2256-	1	7	A	D9	Reserved	
	Tube Size	Tube Material	Tube Qty.	Heat Trace Type	Wall Thickness	Jacket Type
	1=1/8"	0=Welded 316 Stainless Steel	A=1	69=3W/120V LT	Call	Call
	2=1/4"	1=#12 DHP Copper	B=2	C9=3W/240V LT		
	3=3/8"	2=Welded 304 Stainless Steel	C=3	39=5W/120V LT		
	4=1/2"	3=Seamless 304 Stainless Steel	D=4	99=5W/240V LT		
	5=5/8"	4=PFA	E=5	49=8W/120V LT		
	6=3/4"	5=FEP		A9=8W/240V LT		
	7=7/8"	6=Seamless Low Carbon Steel		D9=10W/120V LT		
	8=1"	7=Seamless 316 Stainless Steel		E9=10W/240V LT		
	9=1-1/4"	8=Monel 400		R9=5W/120V HT		
	A=1-1/2"	9=Welded 316 AA		K9=5W/240V HT		
	M=4mm	A=Seamless T316LSS		59=10W/120V HT		
	N=6mm	B=Welded T304LSS		B9=10W/240V HT		
	P=8mm	C=Seamless T304LSS		79=15W/120V HT		
	Q=10mm	D=TFE Fluoropolymer		H9=15W/120V HT		
	R=12mm	E=Welded Low Carbon Steel		N9=20W/120V HT		
		F=Seamless Inconel C22		P9=20W/240V HT		
		G=Incoloy 825				
		H=Hastelloy C22				
		J=Hastelloy C276				
		K=Nickel 200				
		L=Alloy 20				
		M=Polypropylene				
		N=LDPE (Low Density)				
		P=HDPE (High Density)				
		Q=Thermoplastic				
		S=Nylon				
		T=FR Polyethylene				
		U=Permbar				
		Z=Other				

316SS Tube (Common)	1/8"	1/4"	3/8"	1/2"	3/4"
Overall OD (Inches)	≈1.4	≈1.41	≈1.5	≈1.6	≈1.8
Min. Bend Radius (Inches)	9	9	10	10	12
Working Pressure (PSI)	12,050	5,260	3,360	2,470	1,610
Max Continuous Length (Ft.)	1,000	1,000	1,000	1,000	640
Weight Lbs/Ft.	0.40	0.40	0.45	0.50	0.60

Note: Above figures are standard. Not all tubes types/sizes listed.

⚠ To minimize the danger of fire from sustained electrical arcing if the heating cable is damaged or improperly installed, and to comply with **National Electric Code (NEC) Article 427.22** requirements, agency certifications, and local codes, ground-fault equipment protection must be used on each heating cable branch circuit. Arcing may not be stopped by conventional circuit protection. Ground fault protection is the responsibility of the end user and should be installed by a certified electrician.