

Construction Products Design Note XL-#1

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XL-Trace On Pipes Larger than 10"

Although the XL-Trace System Application and Design Guide (H55838) only covers freeze protection applications for pipes up to 10" diameter. XL-Trace is Agency approved to freeze protect larger pipes. Below is a continuation of Table 2 (Freeze Protection Product Selection: 40°F maintain) found on page 12 of the design guide. This continuation of the table covers the amount of XL-Trace to be used on 12" through 20" diameter pipes.

Key:

A = 5XL

B = 8XL

Metal Pipes

(Plastic Pipes)



Product Selection (plastic pipe with AT-180)

Number of cables (if more than one is required)

Product Selection (metal pipes)

Number of cables (if more than one is required)

Fiberglass Insulation Thickness	Pipe Size	Minimum Ambient Temperature (°F)			
		10°F		0°F	
		Metal (Plastic)	Metal (Plastic)	Metal (Plastic)	Metal (Plastic)
1.0 inch	12 inch	B (2B)	2A (2B)	2B (3B)	3B (4B)
	14 inch	B (2B)	2B (2B)	2B (3B)	3B (4B)
	16 inch	2A (2B)	2B (3B)	3B (4B)	3B (5B)
	18 inch	2B (2B)	2B (3B)	3B (4B)	4B (5B)
	20 inch	2B (2B)	3B (3B)	3B (5B)	4B (6B)
1.5 inch	12 inch	A (B)	B (2A)	2A (2B)	2B (3B)
	14 inch	B (B)	B (2B)	2B (2B)	2B (3B)
	16 inch	B (2A)	2A (2B)	2B (3B)	3B (3B)
	18 inch	B (2A)	2A (2B)	2B (3B)	3B (4B)
	20 inch	B (2B)	2B (2B)	2B (3B)	3B (4B)
2.0 inch	12 inch	A (B)	B (B)	B (2B)	2B (2B)
	14 inch	A (B)	B (2A)	2A (2B)	2B (2B)
	16 inch	A (B)	B (2A)	2A (2B)	2B (3B)
	18 inch	B (B)	B (2B)	2B (2B)	2B (3B)
	20 inch	B (2A)	B (2B)	2B (3B)	2B (3B)
3.0 inch	12 inch	A (A)	A (B)	B (B)	B (2B)
	14 inch	A (A)	A (B)	B (2A)	B (2B)
	16 inch	A (A)	A (B)	B (2A)	2A (2B)
	18 inch	A (B)	A (B)	B (2B)	2A (2B)
	20 inch	A (B)	B (B)	2A (2B)	2B (2B)