

### VA Cable to Steel Surface / Pipe

#### Mold Information:

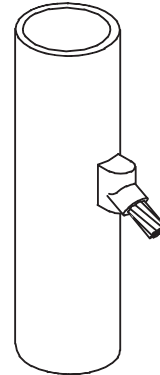
- Molds listed are for stranded cable. For solid conductor, add suffix "S" after conductor number. i.e. 4S = 4 AWG solid conductor.
- Price Key is the **Bold Letter** in the Mold Part No.
- For mold Wear Plates, add suffix "WP" to the end of the Mold Part No. See page 324 for details.

#### Required Tools & Accessories:

- CSH1 - Chain Support Handle clamp for "B" Price Key Molds **OR**
- MH1 - Mold Handle for "B" Price Key Molds **AND**
- CSKIT - Chain Support Kit

#### Recommended Tools & Accessories:

- CCBRSH1 - Card Cloth Brush
- MCBRSH1 - Mold Cleaning Brush



## VA

(Cable Down at 45° to Side of Vertical or Horizontal Steel Pipe)



### VA (Pipe) Connection Type (Range Taking)

Cable Size	Nominal Pipe Size	Mold Part No.	Weld Metal	
			UltraShot	NUWTUBE
#6	1-1/2" to 4" Pipe	VA-6V1.25X4 <b>B</b>	US45	NUWTUBE45
	4" to 6" Pipe	VA-6V4X6 <b>B</b>	US45	NUWTUBE45
	6" to 10" Pipe	VA-6V6X10 <b>B</b>	US45	NUWTUBE45
	12" to 30" Pipe	VA-6V12X30 <b>B</b>	US45	NUWTUBE45
	32" Pipe or Larger	VA-6 <b>B</b>	US45	NUWTUBE45
#4	1-1/2" to 4" Pipe	VA-4V1.5X4 <b>B</b>	US45	NUWTUBE45
	4" to 6" Pipe	VA-4V4X6 <b>B</b>	US45	NUWTUBE45
	6" to 10" Pipe	VA-4V6X10 <b>B</b>	US45	NUWTUBE45
	12" to 30" Pipe	VA-4V12X30 <b>B</b>	US45	NUWTUBE45
	32" Pipe or Larger	VA-4 <b>B</b>	US45	NUWTUBE45
#2 Sol	1/2" to 1" Pipe	VA-2SV.5X1 <b>B</b>	US45	NUWTUBE45
	1-1/2" to 4" Pipe	VA-2SV1.5X4 <b>B</b>	US45	NUWTUBE45
	4" to 6" Pipe	VA-2SV4X6 <b>B</b>	US45	NUWTUBE45
	6" to 10" Pipe	VA-2SV6X10 <b>B</b>	US45	NUWTUBE45
	12" to 30" Pipe	VA-2SV12X30 <b>B</b>	US45	NUWTUBE45
32" Pipe or Larger	VA-2 <b>B</b>	US45	NUWTUBE45	
#2	1-1/2" to 4" Pipe	VA-2V1.5X4 <b>B</b>	US45	NUWTUBE45
	4" to 6" Pipe	VA-2V4X6 <b>B</b>	US45	NUWTUBE45
	6" to 10" Pipe	VA-2V6X10 <b>B</b>	US45	NUWTUBE45
	12" to 30" Pipe	VA-2V12X30 <b>B</b>	US45	NUWTUBE45
	32" Pipe or Larger	VA-2 <b>B</b>	US45	NUWTUBE45

Cable Size	Nominal Pipe Size	Mold Part No.	Weld Metal	
			UltraShot	NUWTUBE
1/0	2" to 4" Pipe	VA-1/0V2X4 <b>B</b>	US90	NUWTUBE90
	4" to 6" Pipe	VA-1/0V4X6 <b>B</b>	US90	NUWTUBE90
	6" to 10" Pipe	VA-1/0V6X10 <b>B</b>	US90	NUWTUBE90
	12" to 30" Pipe	VA-1/0V12X30 <b>B</b>	US90	NUWTUBE90
	32" Pipe or Larger	VA-1/0 <b>B</b>	US90	NUWTUBE90
2/0	2" to 4" Pipe	VA-2/0V2X4 <b>B</b>	US90	NUWTUBE90
	4" to 6" Pipe	VA-2/0V4X6 <b>B</b>	US90	NUWTUBE90
	6" to 10" Pipe	VA-2/0V6X10 <b>B</b>	US90	NUWTUBE90
	12" to 30" Pipe	VA-2/0V12X30 <b>B</b>	US90	NUWTUBE90
	32" Pipe or Larger	VA-2/0 <b>B</b>	US90	NUWTUBE90
3/0	2" to 4" Pipe	VA-3/0V2X4 <b>B</b>	US115	NUWTUBE115
	4" to 6" Pipe	VA-3/0V4X6 <b>B</b>	US115	NUWTUBE115
	6" to 10" Pipe	VA-3/0V6X10 <b>B</b>	US115	NUWTUBE115
	12" to 30" Pipe	VA-3/0V12X30 <b>B</b>	US115	NUWTUBE115
	32" Pipe or Larger	VA-3/0 <b>B</b>	US115	NUWTUBE115
4/0	2" to 4" Pipe	VA-4/0V2X4 <b>B</b>	US115	NUWTUBE115
	4" to 6" Pipe	VA-4/0V4X6 <b>B</b>	US115	NUWTUBE115
	6" to 10" Pipe	VA-4/0V6X10 <b>B</b>	US115	NUWTUBE115
	12" to 30" Pipe	VA-4/0V12X30 <b>B</b>	US115	NUWTUBE115
	32" Pipe or Larger	VA-4/0 <b>B</b>	US115	NUWTUBE115

### VA (Pipe) Connection Type

Cable Size	Mold Part No.	Weld Metal	
		UltraShot	NUWTUBE
#6	VA-6** <b>B</b>	US45	NUWTUBE45
#4	VA-4** <b>B</b>	US45	NUWTUBE45
#2 Sol	VA-2S** <b>B</b>	US45	NUWTUBE45
#2	VA-2** <b>B</b>	US45	NUWTUBE45
1/0	VA-1/0** <b>B</b>	US90	NUWTUBE90
2/0	VA-2/0** <b>B</b>	US90	NUWTUBE90
3/0	VA-3/0** <b>B</b>	US115	NUWTUBE115
4/0	VA-4/0** <b>B</b>	US115	NUWTUBE115

CABLE TO VERTICAL STEEL PIPE		
Use Mold Part No.; add "V" with Pipe Size (**) Indicator		
Cable	Nominal Pipe Size	Pipe Size Indicator
#4 thru 250	30" and Smaller 32" and Larger	Nominal Pipe Size <sup>◊</sup> None
Example: #2 cable to 2-1/2" pipe = VA-2V2.5 <b>B</b>		
CABLE TO HORIZONTAL STEEL PIPE		
Use Mold Part No.; add "H" and Pipe Size (**) Indicator		
Example: #2/0 cable to 6" pipe = VA-2/0H6 <b>B</b>		

\*\*Add Horizontal or Vertical Pipe Orientation and Pipe Size Indicator. See chart to the right.

◊ See page 334 for pipe sizes.

#### NOTE:

Thin walled pipe may be unsuitable for exothermic connections. If experiencing burn through issues with the pipe (typically with 2/0 or 4/0 conductors), adding sand inside the fence post well past the exothermic connection may solve this problem. Another solution would be to use a smaller conductor such as a #2 awg jumper which uses a smaller size weld metal. The last solution may be to use mechanical fence clamp assembly such as the ones found in Section 1.11 on page 133.