

## UNSHIELDED SILICONE HIGH VOLTAGE / HIGH CURRENT / HIGH TEMPERATURE APPLIANCE WIRE 20kV<sub>DC</sub> - 60kV<sub>DC</sub> - AWM STYLE 3616

### FEATURES

- 8 AWG - 2 AWG Conductors t.p.c.
- High Temperature 150°C rating
- High Flexibility
- Ozone and Corona Resistant
- Meets VW-1 Flame Test
- RoHS Compliant

### TYPICAL APPLICATIONS

- Heaters, Furnaces, Ovens
- Motors, Generators, Dryers
- Corona Treating Equipment

### TYPE OVERVIEW

CONDUCTOR				RATED VOLTAGE [kV <sub>DC</sub> ]								
				20	25	30	35	40	45	50	55	60
SIZE [AWG]	STRANDS [n/AWG]	AREA [mm <sup>2</sup> ]	DIAMETER [mm] [inch]	NOM. OUTER DIAMETER [mm] [inch]								
8	133/29	8.54	4.3 .169	6.9 .270	7.5 .295	8.1 .320	8.6 .340	9.2 .363	10.5 .412	11.5 .452	11.9 .468	12.2 .482
6	133/27	13.6	5.4 .213	8.0 .315	8.6 .340	9.3 .365	9.8 .385	10.4 .408	11.6 .455	12.6 .495	13.0 .512	13.3 .525
4	133/25	21.5	6.8 .269	9.5 .375	10.0 .395	10.7 .420	11.2 .440	11.8 .463	13.0 .513	14.0 .552	14.4 .568	14.8 .582
2	133/23	34.3	8.5 .336	11.2 .440	11.8 .463	12.4 .490	12.9 .508	13.5 .530	14.7 .580	15.7 .618	16.1 .635	16.5 .648

The above list represents standard constructions for UL 3616.

### ORDERING INFORMATION (Ordering example for part number: HST-2008-133-9)

HST	-	20	-	08	-	133	-	9
Base Part Designation		Voltage Rating [kV <sub>DC</sub> ]		Conductor Size [AWG]		No. of Strands		Color Code

### COLOR CODE

<b>0 black</b>	1 brown	<b>2 red</b>	3 orange	4 yellow	5 green
6 blue	7 violet	8 grey	<b>9 white</b>	10 natural	

Preferred colors shown in **bold**. Minimum order quantities may apply.

## ▪ HST SERIES CROSS SECTION VIEWS



HST-2008-133-X



HST-2006-133-X



HST-2004-133-X



HST-2002-133-X



HST-2508-133-X



HST-2506-133-X



HST-2504-133-X



HST-2502-133-X



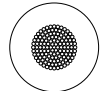
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HST-3006-133-X



HST-3004-133-X



HST-3002-133-X



HST-3508-133-X



HST-3506-133-X



HST-3504-133-X



HST-3502-133-X



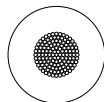
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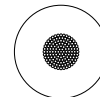
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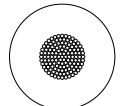
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HST-4506-133-X



HST-4504-133-X



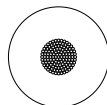
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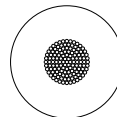
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HST-5006-133-X



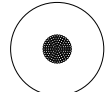
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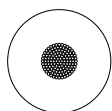
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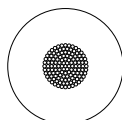
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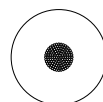
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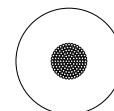
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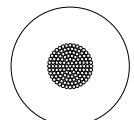
HST-6008-133-X



HST-6006-133-X



HST-6004-133-X



HST-6002-133-X