

UNSHIELDED SILICONE HIGH VOLTAGE / HIGH CURRENT / HIGH TEMPERATURE APPLIANCE WIRE 20kV_{DC} - 60kV_{DC} - AWM STYLE 3616 - INTERNAL USE

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 _{DC}]								
				20	25	30	35	40	45	50	55	60
SIZE [AWG]	STRANDS [n/AWG]	AREA [mm ²]	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 _{DC}]	Conductor Size [AWG]		No. of Strands		Color Code

COLOR CODE

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

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

