

SRML - SILICONE RUBBER MOTOR LEAD SILICONE RUBBER INSULATION / HI-TEMP BRAID 600VOLTS 150DEG C (18-6AWG); 200DEG C (4-750MCM)

CONSTRUCTION:

CONDUCTOR FLEXIBLE STRANDED TINNED COPPER PER ASTM B-33.

INSULATION SILICONE RUBBER.

JACKET FIBERGLASS BRAID WITH A HEAT AND MOISTURE RESISTANT FINISH ON SIZES 18 THROUGH 4/0AWG. SIZES 250MCM AND LARGER FURNISHED WITH ARAMID FIBER (K-FIBER) BRAID WITH HEAT, ABRASION, AND MOISTURE RESISTANT FINISH.

Charlotte Wire Part# *	Size AWG	Number Of Strands	Conductor Diameter (in.)	Insulation Thickness (in.)	Braid Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW04350	18	16	.05"	.030"	.006"	.12"	13
CW04351	16	26	.06"	.030"	.007"	.14"	17
CW04352	14	41	.07"	.030"	.007"	.15"	22
CW04353	12	65	.10"	.030"	.007"	.17"	32
CW04354	10	105	.12"	.045"	.007"	.23"	53
CW04355	8	133	.17"	.060"	.012"	.32"	89
CW04356	6	133	.21"	.060"	.014"	.36"	130
CW04357	4	133	.26"	.060"	.014"	.43"	190
CW04358	2	133	.33"	.060"	.014"	.50"	279
CW04359	1	259	.37"	.080"	.015"	.57"	359
CW04360	1/0	259	.42"	.080"	.015"	.62"	441
CW04361	2/0	259	.47"	.080"	.015"	.67"	538
CW04362	3/0	259	.52"	.080"	.015"	.73"	659
CW04363	4/0	259	.59"	.080"	.015"	.80"	815
CW04364	250MCM	427	.66"	.095"	.040"	.93"	975
CW04365	350MCM	427	.78"	.095"	.040"	1.05"	1325
CW04366	500MCM	427	.94"	.095"	.040"	1.21"	1845
CW04367	750MCM	703	1.18"	.110"	.040"	1.48"	2740

*Sizes 18AWG through 4/0 AWG may also be furnished with K-fiber braid. To specify sizes 18 through 4/0 with a K-fiber braid, add suffix "-K" to Charlotte Wire part number.

APPLICATION:

The flexible copper stranding and flexible silicone rubber insulation provide for the wiring of motors and internal electrical equipment such as furnaces and ovens where the temperature does not exceed 200Deg C. Silicone rubber insulation features good electrical properties, as well as good ozone and weather resistance.

STANDARDS:

UL AWM 3070: 150Deg C (18-12awg).
 UL AWM 3101: 150Deg C (10awg).
 UL AWM 3278: 150Deg C (8-6awg).
 UL AWM 3231: 200Deg C (4-750mcm).
 UL AWM 3410: K-fiber - (14-750mcm).
 NEC Type SFF-2 150Deg C: (18-10awg).
 CSA Type SEWF2: (sizes 18-6awg).
 CSA Type SEW2: (sizes 4-4/0).