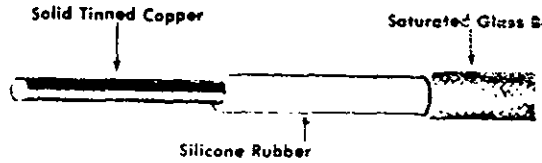
Lighting Wire



ROCKTHERM® SILICONE LIGHTING WIRE
Table SR-C, 600 Volts, Max. Operating Temp. 125°C

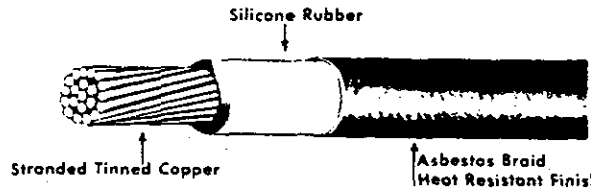
CONSTRUCTION: Solid tinned copper conductor, silicone rubber extrusion, heavy duty saturated glass braid.

APPLICATION: These cables are designed for use on 600 volt lighting circuits and small power loads where a high temperature, moisture-resisting cable is required.

ADVANTAGES: Table SR-C conductors offer a minimum in size and weight for wiring circuits requiring a cable to operate at up to 125° C. continuously.

Size AWG	Bare Diameter (in.)	Insulation Thickness in 64ths	Braid Thickness (mils)	Nominal Finished Diam. (ins.)	Ampacity*	Conduit Size**	Net Weight (lbs/M')
14	.06	2	20	.17	30	1/2	25
12	.08	2	20	.19	40	1/2	34
10	.10	3	20	.24	50	3/4	55
8	.13	4	20	.30	65	3/4	84

Power Cable



ROCKTHERM® SILICONE POWER CABLE (NEC Type SA)
Table SR-E, 600 Volts, Max. Operating Temp. 125°C

CONSTRUCTION: Stranded tinned copper conductors insulated with silicone rubber and covered by a heavy duty asbestos braid with a heat, flame and moisture-resistant finish.

APPLICATION: 600 volt power cable for installation in high ambient temperature locations under wet or dry conditions.

ADVANTAGES: Rocktherm® silicone rubber insulation is a very high quality electrical insulation suitable for long term exposure to high ambient and/or conductor temperatures.

Size AWG Or CM	Stranding	Bare Diameter (in.)	Insulation Thickness in 64ths	Braid Thickness (mils)	Nominal Finished Diam. Ins.	Ampacity*	Conduit Size**	Net Weight (lbs/M')
14	7	.07	3	40	.26	30	3/4	40
12	7	.09	3	40	.28	40	3/4	50
10	7	.12	3	40	.30	50	3/4	70
8	7	.15	4	45	.36	65	1	100
6	7	.18	4	45	.40	85	1 1/4	140
4	7	.23	4	45	.45	115	1 1/4	195
2	7	.29	4	45	.51	145	1 1/4	290
1	19	.33	5	45	.58	170	1 1/2	370
1/0	19	.37	5	45	.62	200	2	445
2/0	19	.42	5	45	.67	230	2	540
3/0	19	.47	5	45	.72	265	2	660
4/0	19	.53	5	45	.78	310	2	810
250,000	37	.58	6	45	.86	335	2 1/2	965
300,000	37	.63	6	45	.91	380	2 1/2	1135
350,000	37	.68	6	45	.96	420	3	1300
500,000	37	.81	6	45	1.10	500	3	1800

*Ampacity based on 30°C. ambient at 125°C. conductor temperatures, 3 conductors in conduit, per NEC.
**Conduit size based on 3 conductors in conduit, per NEC.

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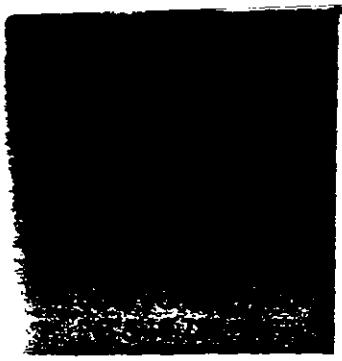

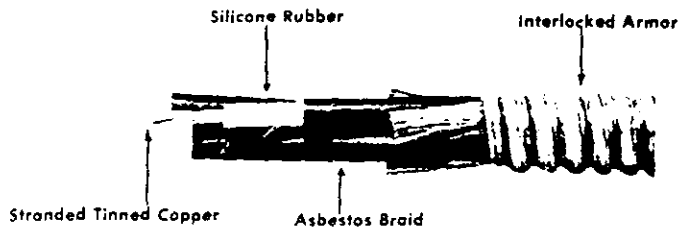

ROCKTHERM® INTERLOCKED ARMOR (NEC Type SA Singles) 3 Conductors, 600 Volts, Max. Operating Temp. 125°C

CONSTRUCTION: Stranded tinned copper conductors insulated with Rocktherm® silicone rubber and covered with an asbestos braid. Three conductors cabled with fillers when necessary and enclosed in an interlocked armor of either steel or aluminum.

APPLICATION: Rockbestos silicone insulated interlocked armor cable is recommended for use on 600 volt heavy duty power wiring applications, particularly where a moisture-resisting insulation is required.

ADVANTAGES: This construction is designed to operate at 125°C. continuously, and has superior moisture and chemical resistance.

Size, AWG or MCM	Stranding	Overall Diameter (in.)	Net Weight, Lbs./M'		Ampacity*
			Al. Armor	Steel Armor	
6	7	1.14	590	890	98
4	7	1.24	775	1120	128
2	7	1.37	1080	1475	167
1	19	1.52	1350	1790	192
1/0	19	1.61	1600	2070	219
2/0	19	1.71	1920	2400	250
3/0	19	1.82	2300	2900	286
4/0	19	1.95	2770	3320	336
250	37	2.12	3270	3860	370
300	37	2.23	3800	4450	415
350	37	2.35	4325	5000	457
400	37	2.45	4900	5600	483
500	37	2.63	5880	6650	558
750	61	3.09	8823	9730	703

*Rating based on one 3 conductor cable in air, 40°C. ambient, at 125°C. conductor temperatures, per IPCEA.

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