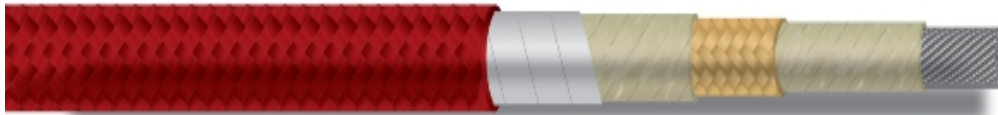




## Flamrox High Performance Cable

Flamrox - Premium High Temperature Single Conductor Cable  
600 Volts, 450° C (538° C Non UL), #20 AWG - 4/0 AWG



### DESCRIPTION:

#### Conductor:

Flexible stranded 27% nickel plated, annealed copper.

#### Sizes:

#20 AWG - 4/0 AWG

#### Insulation:

Phlogopite mica tapes, fiberglass braid jacket, high-temperature saturant. A phlogopite mica tape thermal barrier and a fluoropolymer tape moisture barrier are both applied over the core. An overall fiberglass braid is then treated with a high temperature saturant.

Armor braid optional.

### APPROVALS:

UL approved lead wire 450° C.

Passes IEEE 383 modified 210,000 BTU vertical tray flame test at 1800° F, with circuit integrity for 2 1/2 hours minimum.

Non UL operating temperature can withstand up to **2400° F** short term.

### APPLICATIONS:

Used in critical areas where standard high temperature lead wire is not sufficient to maintain circuit integrity due to extreme temperatures, or exposure to open flame. Used for equipment wiring in iron mills, steel mills, glass plants, and cement kilns.



AWG	Stranding	MICA/Glass Insulation Thickness	Conductor Jacket Thickness	Conductor OD	MICA/Glass Thermal Barrier Thickness	TFE Tape Moisture Barrier Thickness	Outer Glass Braid Jacket Thickness	Overall Diameter	Weight Lbs/M'
20	10/.010	0.025	.007	0.106	.010	.006	.007	.152	27
18	16/.010	0.025	.007	0.118	.010	.006	.007	.162	30
16	26/.010	0.025	.007	0.127	.010	.006	.010	.181	34
14	41/.010	0.025	.007	0.147	.010	.006	.0175	.214	40
12	65/.010	0.025	.007	0.164	.010	.006	.0175	.234	50
10	105/.010	0.030	.015	0.222	.010	.006	.0175	.260	90
8	133/.0111	0.030	.015	0.262	.010	.006	.0175	.304	130
6	133/.0141	0.030	.015	0.307	.010	.006	.0175	.347	165
4	133/.0177	0.030	.015	0.365	.010	.0075	.0175	.403	220
2	133/.0223	0.035	.020	0.449	.010	.0075	.0175	.472	310
1	259/.0180	0.035	.020	0.493	.010	.0075	.0175	.515	350
1/0	259/.0201	0.035	.020	0.539	.010	.0075	.0175	.561	470
2/0	259/.0226	0.035	.020	0.592	.010	.0075	.0175	.614	550
3/0	259/.0255	0.035	.020	0.651	.010	.0075	.0175	.673	650
4/0	259/.0285	0.035	.020	0.716	.010	.0075	.0175	.738	770

Dimensions and weights shown are nominal, subject to industry tolerances. Dimensions and weights for other cable configurations are available upon request.

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