FLAMROX™ HIGH PERFORMANCE CABLE

Flamrox - Premium Flexible High Temperature Single Conductor Cable, 600V, Temp Rating 450°C, Non-UL 538°C

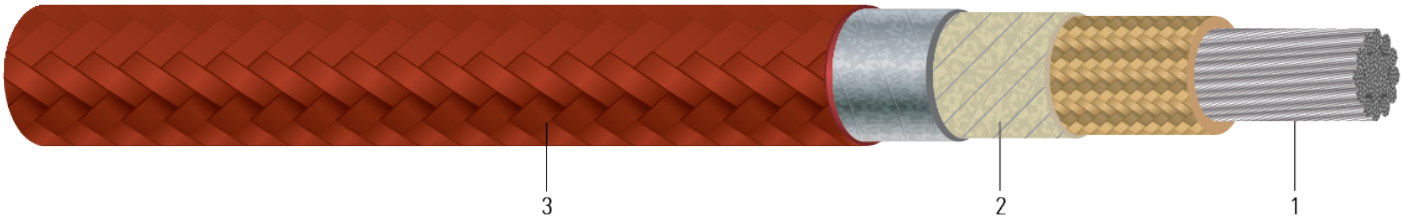


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** flexible stranded 27% nickel plated, annealed copper
2. **Insulation:** A phlogopite mica tape thermal barrier and a fluoropolymer tape moisture barrier are both applied over the core
3. **Jacket:** An overall fiberglass braid is then treated with a high temperature saturant

APPLICATIONS AND FEATURES:

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.

Excellent resistance to high temperature and direct flame, TFE tape provides a moisture barrier, and produces minimal smoke when exposed to flames. Can withstand up to 2400°F short term and Good chemical resistance. Flexible. Armor braid optional.

SPECIFICATIONS:

- IEEE 383 modified 210,000 BTU vertical tray flame test at 1800° F, with circuit integrity for 2 1/2 hours minimum. Provides Circuit Integrity in conduit for up to 30 hours under direct exposure to flame
- RoHS-3 Complies with European Directive 2015/863

Table 1 – Weights and Measurements

Stock Number	Cond. Size	Cond. Strands	Braid	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	strand	mil	inch	lb/1000ft	°C	Style/Type
C55640	6	133/.0141	30	0.347	165	450	UL

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
Dimensions and weights for other cable configurations are available upon request.

Table 2 – Weights and Measurements (Metric)

Stock Number	Cond. Size	Cond. Strands	Braid	Approx. OD	Approx. Weight	Temp. Rating	Standard (UL or other)
	AWG/Kcmil	strand	mm	mm	kg/km	°C	Style/Type
C55640	6	133/.0141	0.76	8.81	246	450	UL