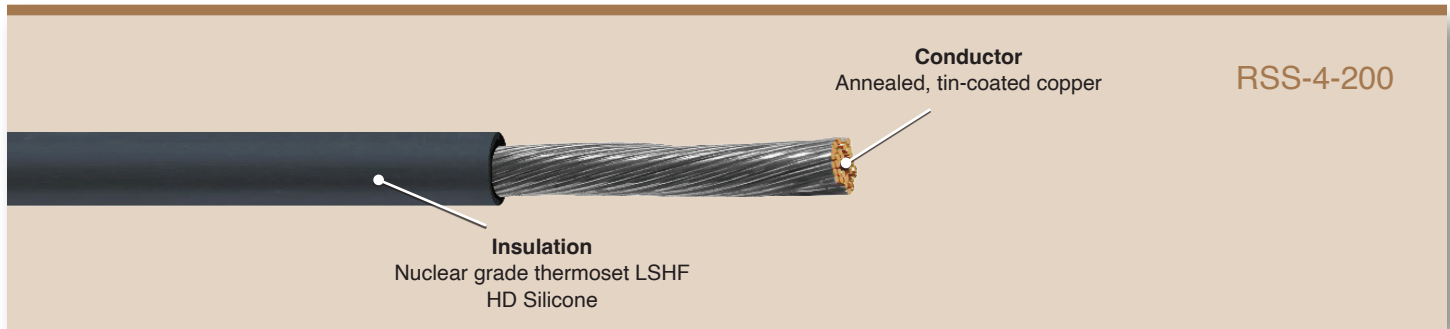


CAB-RAD[®] 15

LSHF Cabinet Wire



Features

- Thermoset insulation for enhanced thermal stability
- Flame retardant radiation resistant
- Colorable Low Smoke Halogen Free (LSHF) design
- Reduced diameter for space saving
- Flexible insulation and stranding
- Tinned copper conductor for improved termination and corrosion resistance
- Full traceability
- Easily strippable for installation
- All cables pass wet dielectric for insulation integrity

Scope

RSCC's CAB-RAD[®] 15 Cabinet Wire is a thermoset low smoke halogen free design using reduced wall dimensions for a smaller overall cable and space savings. It is certified for 60 year normal service use per IEEE 383-2003.

Performance Standards

- Nuclear Class 1E – Non-LOCA
- Passes Vertical Flame Tests, ICEA S-19-81 Section 6.19.6 and UL VW-1
- Qualified for normal service use 90°C for 60 years at 25 Megarads
- Quality Assurance Program in accordance with 10 CFR 50 Appendix B
- Meets smoke requirements of ASTM E662
- Meets physical requirements of ICEA for Silicone
- Meets physical properties for 200°C silicone per UL 1581

Construction

Conductor: Annealed, tin-coated copper per ASTM B33 and B174

Insulation: Nuclear grade thermoset LSHF High Durometer (HD) Silicone

Part Number	Conductor Size (AWG)	mm ²	Number of Strands (0.01")	Nom Conductor Diameter (Inch)	Insulation Thickness	Nominal OD	Weight (LBS/M')
A843009	20	0.62	10	0.036	0.015	0.067	5
A843010	18	0.96	16	0.046	0.015	0.077	7
A843011	16	1.23	26	0.057	0.015	0.087	10
A843012	14	1.94	41	0.071	0.015	0.102	16
A843013	12	3.08	65	0.088	0.015	0.119	24
A843014	10	4.74	105	0.112	0.015	0.143	37



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