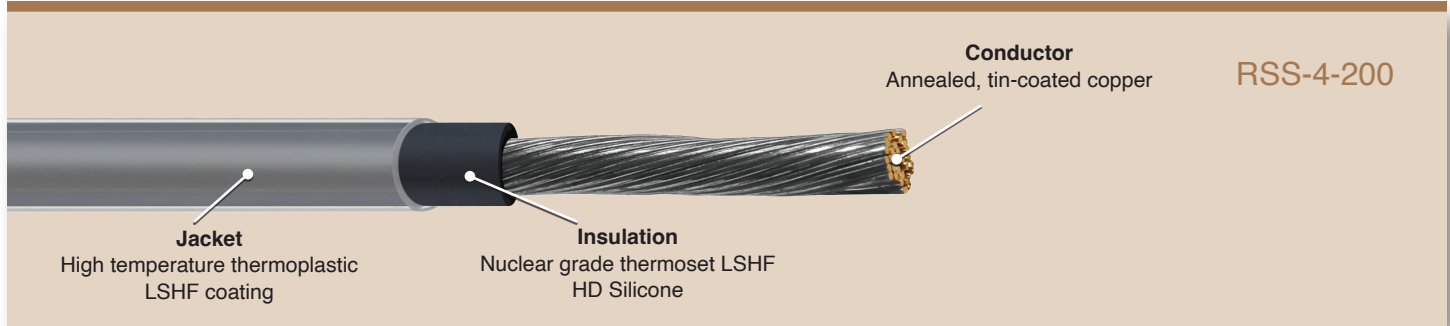


CAB-RAD[®] Tough LSHF Cabinet Wire

CAT-RAD[®]



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[®] Tough Cabinet Wire is a thermoset low smoke halogen free design using reduced wall dimensions for a smaller overall cable and space savings. Its additional LSHF thermoplastic layer improves durability for installation. 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

Covering: High temperature thermoplastic LSHF Coating

Part Number	Conductor Size		Number of Strands (0.01")	Nom Conductor Diameter (Inch)	Insulation Thickness	Coating Thickness	Nominal OD	Weight (LBS/M')
	(AWG)	mm ²						
A85-3009	20	0.62	10	0.036	0.015	0.005	0.077	6
A85-3010	18	0.96	16	0.046	0.015	0.005	0.087	8
A85-3011	16	1.23	26	0.057	0.015	0.005	0.097	11
A85-3012	14	1.94	41	0.071	0.015	0.005	0.112	17
A85-3013	12	3.08	65	0.088	0.015	0.005	0.129	25
A85-3014	10	4.74	105	0.112	0.015	0.005	0.153	38