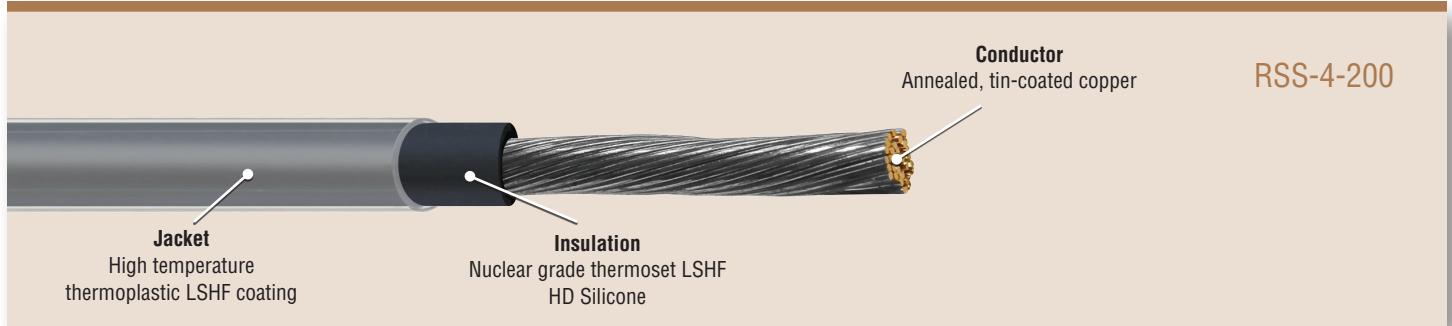


# CAB-RAD® Tough

## LSHF Cabinet Wire

**RSCC Nuclear Cable**  
www.rsccnuclearcable.com



### 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

### 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 CRF 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.

### 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.

Part Number	Conductor Size (AWG)	mm2	Number of Strands (0.01")	Nom Conductor Diameter (Inch)	Insulation Thickness	Coating Thickness	Nominal OD	Weight (LBS/M')
A853009	20	0.62	10	0.036	0.015	0.005	0.077	6
A853010	18	0.96	16	0.046	0.015	0.005	0.087	8
A853011	16	1.23	26	0.057	0.015	0.005	0.097	11
A853012	14	1.94	41	0.071	0.015	0.005	0.112	17
A853013	12	3.08	65	0.088	0.015	0.005	0.129	25
A853014	10	4.74	105	0.112	0.015	0.005	0.153	38



Marmon Engineered Wire & Cable LLC  
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