

SPECIFICATIONS

DuraLife® RHH Two-Hour Fire-Rated Power Cables

Certified to the harsh requirements of the UL 2196 Test for Fire Resistive Cables, DuraLife® RHH is a 600V two-hour fire-rated cable designed to provide an easy-to-install, cost effective means of protecting critical emergency systems when under fire conditions. DuraLife® RHH meets the code requirements for circuit survivability.

Description: The only full-range product on the market, 14 AWG through 500 MCM two-hour UL 2196 rated in both vertical and horizontal configurations, EMT and Champion Flame Shield Phenolic Conduit Type XW, Low Smoke, Zero Halogen (LSZH)

STANDARDS:

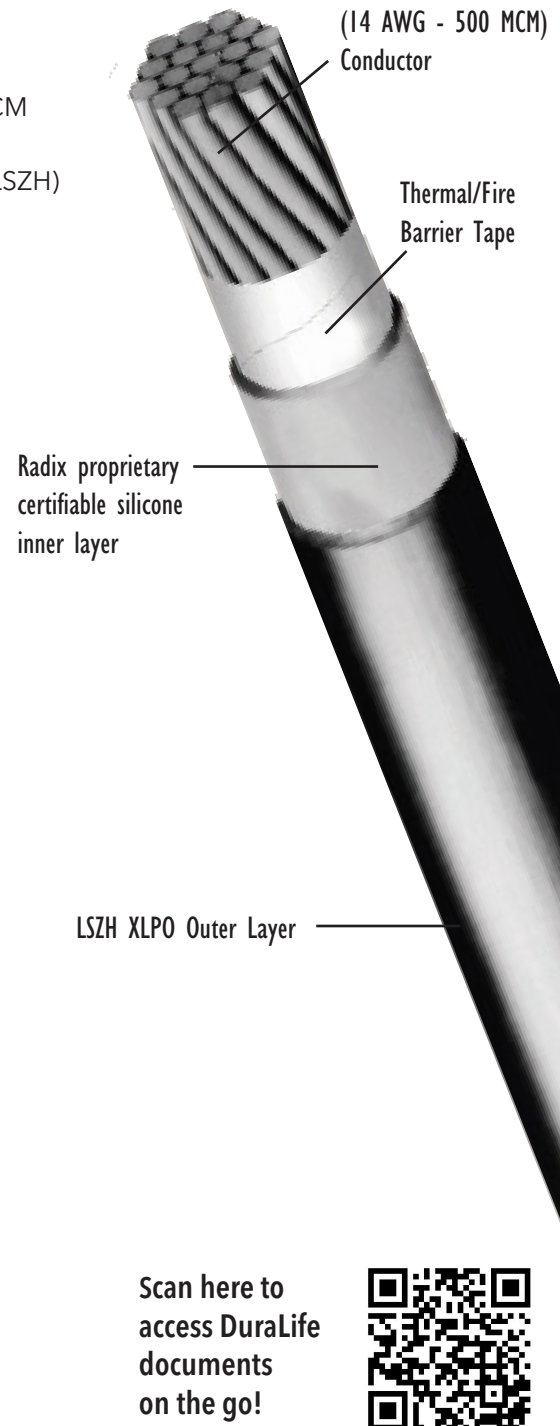
- Certified to UL2196 standards for two-hour fire-resistive cables
- FHIT Electrical Circuit Integrity System of the UL Fire Resistive Directory
- Listed to UL44 Thermoset Insulated Wire & Cables as Type RHH
- Meets NFPA 70 Articles 517, 695, 700, 708 & 660
- Meets NFPA 130 and 502 with AHJ approval
- Meets FT-4 10 AWG and larger

FEATURES & BENEFITS:

- The most comprehensive and versatile two-hour fire-rated solution for 600V power applications
 - Installs in EMT or phenolic conduit
 - Full range of constructions 14 AWG through 500 MCM
 - Two-Hour Certified for both vertical and horizontal installations
 - Certification includes ancillary components
- Economic alternative to both MI and MC options
 - Easy to install - no special tools or procedures required
 - Long length availability eliminates need for splice
 - Readily available

APPLICATIONS:

- Fire Pumps
- Emergency Generators
- Ventilating Fans
- Emergency Lighting
- Emergency Elevators
- High Rise Buildings
- Hospitals
- Places of Mass Assembly



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DuraLife® RHH Two-Hour Fire-Rated Power Cables

HARDWARE & ACCESSORIES CERTIFIED: (Refer to DuraLife® II Installation Instructions/Phenolic Addendum for details)

- **EMT/Conduit:** Wheatland/Western Tube
- **Phenolic Conduit:** Champion Fiberglass
- **EMT Set-Screw Coupling:** Hubbell/Raco
- **Phenolic Coupling:** Champion Fiberglass
- **NEMA 1/Pull Box:** Eaton/Cooper (system use only)
- **Type 4X Pull box:** Nvent/Hoffman
- **Conduit Clamps:** Erico (Phenolic conduit only)
- **Pulling Lubricant:** Polywater LZ

2020 NFPA 70® Table 310.16

Radix DuraLife® Power Cables							Horizontal / Vertical Installation - EMT Raceway	Horizontal Installation - Champion Flame Shield Phenolic Conduit Type XW	Vertical Installation - Champion Flame Shield Phenolic Conduit Type XW
DuraLife Part Number	Conductor Size	Conductor Strands	Overall Diameter	Insulation System Thickness	Approx. Weight (lbs per Mft)	Ampacity 90°C (amps)	Number of Conductors 1 to 4	Number of Conductors 1 to 4	Number of Conductors 1 to 4
RH14A007	14 awg	7	.195"	45 Mil	29	15**	1"	1"	1"
RH12A007	12 awg	7	.220"	45 Mil	38	20**	1 1/4"	1 1/4"	1"
RH10A007	10 awg	7	.250"	45 Mil	54	30**	1 1/4"	1 1/4"	1"
RH08A007	8 awg	7	.310"	60 Mil	84	55	1 1/4"	1 1/4"	1"
RH06A007	6 awg	7	.380"	75 Mil	131	75	1 1/2"	1 1/2"	1 1/4"
RH04A007	4 awg	7	.420"	75 Mil	186	95	2"	2"	1 1/4"
RH03A007	3 awg	7	.450"	75 Mil	225	115	2"	2 1/2"	1 1/4"
RH02A007	2 awg	7	.480"	75 Mil	270	130	2"	2 1/2"	1 1/2"
RH01A019	1 awg	19	.560"	100 mil	365	145	2 1/2"	2 1/2"	2 1/2"
RHX1A019	1/0	19	.600"	100 Mil	443	170	2 1/2"	2 1/2"	2 1/2"
RHX2A019	2/0	19	.650"	100 Mil	537	195	2 1/2"	2 1/2"	2 1/2"
RHX3A019	3/0	19	.700"	100 Mil	658	225	3"	3"	3"
RHX4A019	4/0	19	.760"	100 Mil	806	260	3"	3"	3"
RH250A037	250 mcm	37	.865"	130 Mil	991	290	3 1/2"	3"	3"
RH300A037	300 mcm	37	.920"	130 Mil	1165	320	4"	3 1/2"	3 1/2"
RH350A037	350 mcm	37	.970"	130 Mil	1306	350	4"	3 1/2"	3 1/2"
RH400A037	400 mcm	37	1.020"	130 Mil	1672	380	4"	4"	4"
RH500A037	500 mcm	37	1.105"	130 Mil	1825	430	4"	4"	4"

See manufacturer's instructions for additional options and detailed conduit fill by awg size, orientation, conduit type.

Must follow UL Electrical Circuit Protective System (FHIT) #28E and all provisions of the National Electrical Code (NFPA 70).

** see National Electrical Code (NFPA 70) section 240-3.

Meets FT-4 10 AWG and larger.

Ampacity based on three current carrying conductors in a conduit and a 30°C (86°F) ambient temperature.

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