# DuraLife® RHH/R90 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.

# STANDARDS:

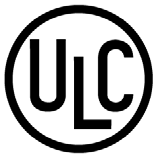
* Certified to UL 2196 / ULC S-139 Standard for Two-Hour Fire Resistive Cable
* Electrical Circuit Integrity System FHIT 28E & FHIT7 28E. Fire Resistive Directory R21213
* UL44 Listed for Thermoset Insulated Wires & Cables 600V/90°C RHH/R90
* Meets NFPA 70 Articles 517, 695, 700, 708 & 660
* Meets NFPA 130 and 502 with AHJ approval
* Meets IEEE 1202/FT4-ST1 10 AWG and larger
* Meets FT2 Horizontal Flame

# 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
  + Low Smoke, Zero Halogen
* Economic alternative to both MI and MC options
  + Easy to install - no special tools or procedures required
  + Long length availability eliminates need for splice

# APPLICATIONS:

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





**UL 2196**

**UL 44**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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/1,000’) | Ampacity 75°C  (amps) | Ampacity 90°C  (amps) | Number of Conductors | | Number of Conductors | | Number of Conductors | |
| 1 to 4 | 5 | 1 to 4 | 5 | 1 to 4 | 5 |
| RH14A007 | 14 awg | 7 | .195” | 45 mils | 29 | 20 | 25 | 1" | 1 1/4" | 1" | 1 1/4" | 1" | 1 1/4" |
| RH12A007 | 12 awg | 7 | .220” | 45 mils | 38 | 25 | 30 | 1 1/4" | 1 1/4" | 1 1/4" | 1 1/4" | 1" | 1 1/4" |
| RH10A007 | 10 awg | 7 | .250” | 45 mils | 54 | 35 | 40 | 1 1/4" | 1 1/2" | 1 1/4" | 1 1/4" | 1" | 1 1/4" |
| RH08A007 | 8 awg | 7 | .310” | 60 mils | 84 | 50 | 55 | 1 1/4" | 1 1/2" | 1 1/4" | 1 1/2" | 1" | 1 1/4" |
| RH06A007 | 6 awg | 7 | .380” | 75 mils | 131 | 65 | 75 | 1 1/2" | 2" | 1 1/2" | 2" | 1 1/4" | 1 1/2" |
| RH04A007 | 4 awg | 7 | .420” | 75 mils | 186 | 85 | 95 | 2" | 2 1/2" | 2" | 2 1/2" | 1 1/4" | 1 1/2" |
| RH03A007 | 3 awg | 7 | .450" | 75 mils | 225 | 100 | 115 | 2" | 2 1/2" | 2 1/2" | 2 1/2" | 1 1/4" | 2" |
| RH02A007 | 2 awg | 7 | .480” | 75 mils | 270 | 115 | 130 | 2" | 2 1/2" | 2 1/2" | 3" | 1 1/2" | 2" |
| RH01A019 | 1 awg | 19 | .560” | 100 mils | 365 | 130 | 145 | 2 1/2" | 3" | 2 1/2" | 3" | 2 1/2" | 3" |
| RHX1A019 | 1/0 | 19 | .600” | 100 mils | 443 | 150 | 170 | 2 1/2" | 3" | 2 1/2" | 3" | 2 1/2" | 3" |
| RHX2A019 | 2/0 | 19 | .650” | 100 mils | 537 | 175 | 195 | 2 1/2" | 3" | 2 1/2" | 3" | 2 1/2" | 3" |
| RHX3A019 | 3/0 | 19 | .700” | 100 mils | 658 | 200 | 225 | 3" | 3 1/2" | 3" | 3 1/2" | 3" | 3 1/2" |
| RHX4A019 | 4/0 | 19 | .760” | 100 mils | 806 | 230 | 260 | 3" | 3 1/2" | 3" | 3 1/2" | 3" | 3 1/2" |
| RH250A037 | 250 MCM | 37 | .865” | 130 mils | 991 | 255 | 290 | 3 1/2" | 4" | 3" | 3 1/2" | 3" | 4" |
| RH300A037\* | 300 MCM | 37 | .920” | 130 mils | 1165 | 285 | 320 | 4" | 4" | 3 1/2" | 4" | 3 1/2" | 4"\*\*\* |
| RH350A037 | 350 MCM | 37 | .970” | 130 mils | 1306 | 310 | 350 | 4" | 4" | 3 1/2" | 4" | 3 1/2" | 4"\*\*\* |
| RH400A037\* | 400 MCM | 37 | 1.020” | 130 mils | 1672 | 335 | 380 | 4" | X | 4" | X | 4" | X |
| RH500A037 | 500 MCM | 37 | 1.105” | 130 mils | 1825 | 380 | 430 | 4" | X | 4" | X | 4" | X |

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