

RHH 2-Hour Fire Rated

LIFELINE™ RHH
UL LISTED TYPE
RHH - POWER
CABLE

UL CLASSIFIED
TWO-HOUR
FIRE RATED CABLE
WHEN USED IN
CONDUIT

A Low Cost, High Reliability Fire Rated Cable System.

Lifeline™ RHH is a cost effective means for providing two hour fire protection as required for your most critical circuits. It replaces Mineral Insulated (MI) cable, concrete encasement or construction of unnecessary fire barriers as the optimum way to protect critical circuits against attack by fire and water. Beyond the obvious economical advantage, Lifeline™ RHH can be installed in long lengths (using standard pull through fittings and labor rates), does NOT require special tools or connectors and (with proper planning) circuit expansion, replacement or resizing can readily be accomplished in the future.

Features & Benefits

- Recognized two hour fire rating
- UL Listed type RHH 600 Volt, 90 C Temp Rating
- Installs in common 1/2" (or larger) EMT conduit
- Physical protection provided by conduit
- "LOOKS, FEELS and INSTALLS" like standard RHH
- No special tools, connectors or procedures
- Meets requirements of NEC Article 517 Healthcare Facilities
- No cable length restrictions

Performance

- Exceeds fire rating requirements of National Electrical Code Articles 695 & 700.
- Classified two hour fire rating per UL Standard for Tests for Fire Resistive Cables, UL 2196, with exposure up to 1850° F, immediate application of water hose stream and maintenance of full utilization voltage and electrical load throughout the test.
- Meets all of the requirements of UL Subject #44 for rubber insulated Type RHH.
- Electrical Circuit Protective System (FHIT) #25 of the UL Fire Resistance Directory.

LIFELINE™ Part Number	Copper Size AWG/MCM	Number of Strands	Insulation Thickness in. (mm)	Covering Thickness in. (mm)	Overall Diameter in. (mm)	Approximate Weight lbs/Mft (kg/km)	Ampacity* 75 C Amps 90 C Amps		EMT Size*** for 3 conductors	EMT Size*** for 4 conductors
RHH-14	14	7	0.045 (1.14)	0.015 (0.38)	0.197 (5.00)	30 (45)	15**	15**	1/2"	3/4"
RHH-12	12	7	0.045 (1.14)	0.015 (0.38)	0.216 (5.49)	40 (60)	20**	20**	1/2"	3/4"
RHH-10	10	7	0.045 (1.14)	0.015 (0.38)	0.248 (6.30)	56 (83)	30**	30**	3/4"	3/4"
RHH-8	8	7	0.060 (1.52)	0.030 (0.76)	0.337 (8.56)	97 (144)	50	55	1"	1-1/4"
RHH-6	6	7	0.060 (1.52)	0.030 (0.76)	0.369 (9.37)	135 (201)	65	75	1"	1-1/4"
RHH-4	4	7	0.060 (1.52)	0.030 (0.76)	0.418 (10.62)	193 (287)	85		95	1-1/4"
1-1/4" RHH-3	3				7	0.060 (1.52)	0.030 (0.76)		0.445 (11.30)	233
	(347)	100	110	1-1/4"	1-1/2" RHH-2	2	7	0.060	(1.52)	0.030
(0.76)	0.478 (12.14)	283	(421)	115	130	1-1/4"	1-1/2" RHH-1	1	19	
	0.080 (2.03)	0.045 (1.14)	0.590 (14.99)	389	(579)	130	150	2"	2"	
RHH-1/0	1/0	19	0.080 (2.03)	0.045 (1.14)	0.631 (16.03)	471 (701)	150	170	2"	2"
RHH-2/0	2/0	19	0.080 (2.03)	0.045 (1.14)	0.674 (17.12)	571 (850)	175	195	2"	2-1/2"
RHH-3/0	3/0	19	0.080 (2.03)	0.045 (1.14)	0.725 (18.42)	700 (1042)	200	225	2"	2-1/2"
RHH-4/0	4/0	19	0.080 (2.03)	0.045 (1.14)	0.780 (19.81)	855 (1272)	230	260	2-1/2"	2-1/2"
RHH-250	250	37	0.095 (2.41)	0.065 (1.65)	0.896 (22.76)	1070 (1592)	255	290	2-1/2"	3"
RHH-350	350	37	0.095 (2.41)	0.065 (1.65)	1.005 (25.5)	1380 (2054)	310	350	3"	3"
RHH-500	500	37	0.095 (2.41)	0.065 (1.65)	1.131 (28.7)	1890 (2813)	380	430	3"	3-1/2"
RHH-600	600	61	0.110 (2.79)	0.065 (1.65)	1.240 (31.5)	2360 (3512)	420	475	3-1/2"	4"
RHH-750	750	61	0.110 (2.79)	0.065 (1.65)	1.345 (34.2)	2890 (4301)	475	535	3-1/2"	4"

When installed per UL Electrical Circuit Protective System (FHIT) #25 and all provisions of the National Electrical Code (NFPA 70).

*Ampacity based on three current carrying conductors in a conduit and a 30°C (88°F) ambient temperature.

**See national electrical code (NFPA 70) section 240-3.

***Electrical metallic tubing (EMT) per NFPA 70. For rigid metal conduit see NFPA 70, Chapter 9.

NOTE: Table does not take voltage drop into consideration.

Factory Rep. Datatech, Inc. at: 800-444-2696
Call Lifeline at: 1-800-333-4248

www.datatechtx.com
www.drakausa.com/lifeline

