

RHW-2 2-Hour Fire Rated

A Low Cost, High Reliability Qualified Fire Rated Cable System.

Lifeline® RHW is a composite insulation system that achieves the smallest diameter and highest temperature rating of any ceramified silicone fire rated cable. Without the need for additional fire barrier tapes, Lifeline RHW is UL Listed as type RHH/RHW-2 for 90°C and UL classified with a 2-hour fire rating per UL 2196 - "Standard for Tests for Fire Resistive Cables". Lifeline RHW 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.

LIFELINE® RHW

UL LISTED TYPE
RHH /RHW-2

UL CLASSIFIED
TWO-HOUR
FIRE RATED CABLE

LOW SMOKE &
HALOGEN FREE

Features & Benefits

- Recognized two hour fire rating
- UL Listed type RHH/RHW-2, 600 Volt
- Rated 90°C Dry or Wet
- Smallest size, Smaller conduit
- No special tools, connectors or procedures
- Low Smoke & Halogen Free (LSHF)
- Installed Reliability
- No cable length restrictions

Performance

- Classified two hour fire rating per UL 2196 - "Standard for Tests for Fire Resistive Cables".
- Electrical Circuit Protective System (FHIT) #25 of the UL Fire Resistance Directory.
- UL Subject #44 for Rubber-Insulated Wires and Cables.
- Exceeds fire rating requirements of National Electrical Code Articles 695 & 700.

LIFELINE® Part Number	Copper Size AWG/MCM	Number of Strands	Insulation Thickness in. (mm)	Overall Diameter in. (mm)	Approximate Weight lbs/Mft (kg/km)	Ampacity* 90° C Amps	EMT Size*** for 3 conductors	EMT Size*** for 4 conductors
RHW-14	14	7	0.045 (1.1)	0.165 (4.1)	25 (37)	15**	1/2"	1/2"
RHW-12	12	7	0.045 (1.1)	0.180 (4.6)	35 (51)	20**	1/2"	1/2"
RHW-10	10	7	0.045 (1.1)	0.205 (5.2)	50 (74)	30**	1/2"	3/4"
RHW-8	8	7	0.060 (1.5)	0.265 (6.7)	75 (112)	55	3/4"	1"
RHW-6	6	7	0.075 (1.9)	0.330 (8.3)	120 (179)	75	1"	1"
RHW-4	4	7	0.075 (1.9)	0.375 (9.5)	175 (260)	95	1"	1-1/4"
RHW-3	3	7	0.075 (1.9)	0.405 (10.2)	210 (313)	110	1-1/4"	1-1/4"
RHW-2	2	7	0.075 (1.9)	0.435 (11.0)	260 (387)	130	1-1/4"	1-1/4"
RHW-1	1	19	0.100 (2.5)	0.525 (13.2)	345 (513)	150	1-1/2"	2"
RHW-1/0	1/0	19	0.100 (2.5)	0.565 (14.2)	420 (625)	170	1-1/2"	2"
RHW-2/0	2/0	19	0.100 (2.5)	0.605 (15.3)	515 (766)	195	2"	2"
RHW-3/0	3/0	19	0.100 (2.5)	0.660 (16.6)	635 (945)	225	2"	2-1/2"
RHW-4/0	4/0	19	0.100 (2.5)	0.715 (18.0)	780 (1161)	260	2"	2-1/2"
RHW-250	250	37	0.130 (3.3)	0.820 (20.7)	960 (1426)	290	2-1/2"	2-1/2"
RHW-350	350	37	0.130 (3.3)	0.925 (23.3)	1295 (1927)	350	2-1/2"	3"
RHW-500	500	37	0.130 (3.3)	1.050 (26.5)	1790 (2664)	430	3"	3"
RHW-600	600	37	0.145 (3.7)	1.160 (29.2)	2240 (3334)	475	3"	3-1/2"
RHW-750	750	37	0.145 (3.7)	1.260 (31.8)	2645 (3936)	535	3-1/2"	4"

Note: Two Hour Rating when installed per UL Electrical Circuit Protective System FHIT.25, Draka Manufacturers Instructions (TIS # 301C) and the National Electrical Code (NFPA 70). Table does not take voltage drop into consideration.

*90°C ampacity based on three current carrying conductors in a conduit and a 30°C (88°F) ambient temperature.

See NEC Table 310.16 for 75°C and 60°C ampacities.

**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.

1-800-444-2696

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