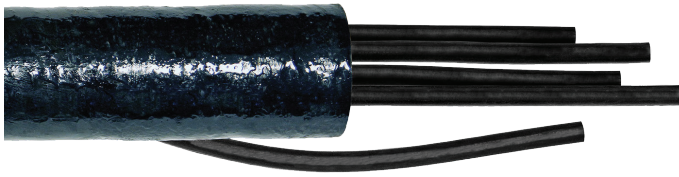


Lifeline® Power Cables: RHW-2 or RW90 Fire Resistive Cables in BreathSaver® XW Phenolic Conduit

UL 2196/ULC-S139 Certified Fire Resistive Cable for Survivability in a Fire



APPLICATIONS

Lifeline® fire resistive cables were designed to meet and have successfully passed the one hour fire rating certification test per UL 2196 /ULC S139, *Standard for Tests for Fire Resistive Cables*.

Lifeline® Cables can be used in the following applications to provide survivability during a fire:

- Transit
- Fire Pumps
- Emergency Feeder Cables
- Ventilating Fans
- Exit Lighting

Lifeline® Cables are preferred over Mineral Insulated (MI) cables, concrete encasement or the construction of fire rated assemblies based on the facts that Lifeline® Cables are less costly, easier to install, and readily available.

Fire resistive cables are required per NFPA 70, Articles 700, 708 and 760 as well as NFPA 72, NFPA 101, NFPA 130



RoHS
COMPLIANT

SPECIFICATIONS / RATINGS

- Listed to UL 44/CSA 22.2 No.38, Thermoset Insulated Wires and Cables, as the following type:
 - RHW-2, or RW90, 600 Volt, Rated 90°C Dry/90°C Wet
- Classified to UL 2196/ULC-S139, Standard for Tests for Fire Resistive Cables, for one-hour
- Electrical Circuit Integrity System (FHIT) No. 25D of the UL Fire Resistance Directory for installations in BreathSaver® XW Phenolic conduit
- Sunlight Resistant
- FT4 Rated
- ST1
- IEEE 1202
- NFPA 70, NFPA 101, NFPA 130 (when approved by AHJ)

DESIGN PARAMETERS

CONDUCTORS: Bare stranded copper, 12 AWG and 10 AWG

INSULATION: High Temperature Mica Tape layer, Ceramifiable silicone, Low Smoke Zero Halogen (LSZH)

JACKET: Cross-linked polyolefin (XLPO), Low Smoke Zero

IDENTIFICATION:

ORIGIN USA PRYSMIAN GROUP MA P/N [#####] [X]AWG ([Y] mm²) LIFELINE® c(UL)us RHW-2 or RW90 600V FT4 ST1 VW1 FT1 (UL) 2196/(ULC) S139 FHIT/7 25D 480V UTILIZATION ([mm] [yr]) [2FT]

Notes: [#] is cable part number
[X] is cable size in AWG
[Y] is cable size in mm²

Lifeline® Power Cables: RHW-2 or RW90 Fire Resistant Cables in BreathSaver® XW Phenolic Conduit



UL 2196/ULC-S139 Certified Fire Resistant Cable for Survivability in a Fire

Lifeline® Power Cable

LIFELINE® Part Number	Conductor Size AWG	Number of Strands	Insulation Thickness		Overall Diameter		Approximate Weight		Ampacity ¹	
			in	mm	in	mm	in	mm	90°C	75°C
G30062	12	7	0.045	1.1	0.22	5.5	37	55	30*	25*
G30063	10	7	0.045	1.1	0.24	6.1	52	77	40*	35*

¹ Ampacities are based on Table 310(16) of the National Electrical Code (NEC) (NFPA 70-2020) for 3 current carrying conductors at 30°C ambient.

* Over current protection device limitations of Articles 240.4(D)(4) and (5) of National Electrical Code (NFPA 70) require 15amp overprotection for 12 AWG and 20amp overprotection for 10 AWG for uses not permitted in Articles 240.4(E) or (G).

The above dimensions are approximate and subject to normal manufacturing tolerances. Information subject to change without notice

Minimum Allowable Conduit Size							
Conductor Size AWG	1	2	3	4	5	6	7
12	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	3/4	3/4	3/4	3/4	3/4	1	1

Cables may be installed in 3/4 inch or 1-inch raceways with up to seven conductors and not exceeding 39% raceway fill ratio.