

**Polymer insulated XHHW-2-LS ground wire**

**Polymer insulated fire-rated ground wire for use with Raychem 2-hour fire-rated RHW cable.**

Raychem® XHHW-2 fire-rated ground wire is specifically designed and tested to work with Raychem RHW 2-hour fire-rated cable when installed in conduit and in accordance with Tyco Thermal Controls installation procedures and system listings. The details of this system appear in Electrical Circuit Protective System (FHIT), System No. 27 of the UL Fire Resistance Directory.

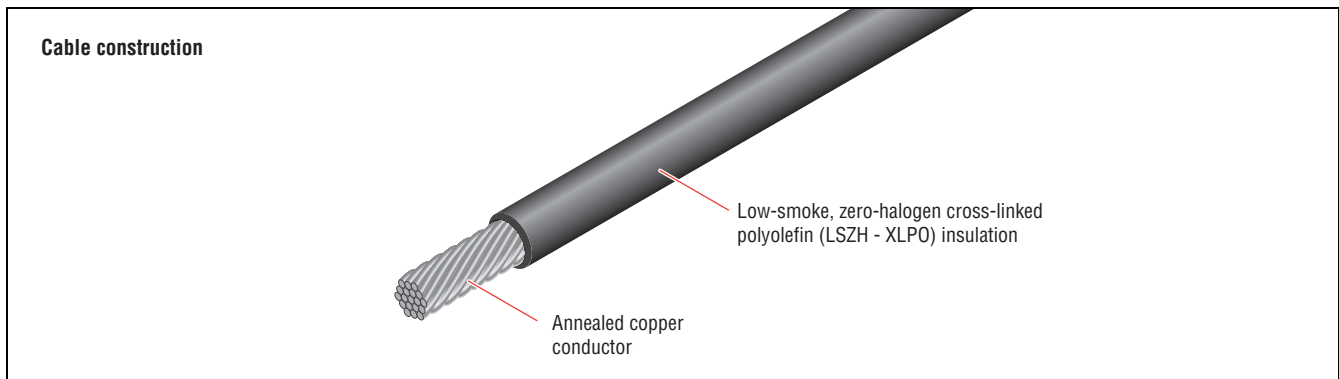
Raychem Fire-Rated Ground Wire is:

- UL Listed, NEC Type XHHW-2 in accordance with UL 44, 90°C wet or dry
- cUL Listed, CEC Type RW90 in accordance with CSA C22.2 No. 38, 90°C wet or dry
- FT-4 / IEEE 1202 Vertical Flame test; -ST1, limited smoke
- Low temperature rated -40°C (UL), -25°C (CSA)
- Fire-rated per UL 2196 / ULC S139 (1850°F with hose stream)
- Low toxicity index per NES-713
- Outer covering is solid green for easy identification

Raychem fire-rated ground wire is ideal for use with Raychem RHW 2-hour fire-rated cable in:

- High-rise buildings – emergency feeders for fire pumps, elevators, smoke extraction and pressurization fans, etc.
- Hospitals and other institutions where mobility is limited, to preserve power and allow time for egress.
- Historic buildings to assure preservation of fire fighting systems.
- Tunnels and subways for smoke extraction fans, fire pumps, emergency lighting, and other power circuits.
- Airports, stadiums, hotels, banks, etc.

For additional information, contact your Tyco Thermal Controls representative or call Tyco Thermal Controls at (800) 545-6258.



**Cable Construction**

Conductor	Annealed copper, Class "B" strand, designed to ensure tensile strength under fire conditions
Insulation	Low-smoke zero-halogen cross-linked polyolefin (XLPO)
Insulation voltage rating	600 V
Configuration	Single conductor
Cable identification	Cable outer jacket is printed with cable identification (FT4 Flame Rating)

## Cable Specifications

Product code	Size	Insulation thickness		Cable diameter		Weight		Maximum overcurrent <sup>1</sup>
	(AWG)	(mils)	(mm)	(in)	(mm)	(lbs/kft)	(kg/km)	(A)
GRNGND 14	14	30	0.76	0.13	3.4	20	30	15
GRNGND 12	12	30	0.76	0.15	3.8	29	43	20
GRNGND 10	10	30	0.76	0.18	4.4	42	62	60
GRNGND 8	8	45	1.14	0.24	6.0	70	104	100
GRNGND 6	6	45	1.14	0.28	7.0	104	155	200
GRNGND 4	4	45	1.14	0.32	8.2	157	234	300
GRNGND 3	3	45	1.14	0.35	8.9	195	290	400
GRNGND 2	2	45	1.14	0.38	9.7	240	357	500
GRNGND 1	1	55	1.40	0.44	11.2	307	457	600
GRNGND 1/0	1/0	55	1.40	0.48	12.2	379	564	800
GRNGND 2/0	2/0	55	1.40	0.53	13.4	470	699	1000

<sup>1</sup> Maximum amperes rating or setting of the overcurrent device in circuit ahead of equipment, conduit, etc. per Table 250.122 of the NEC

## Approvals



UL 44  
CSA 22.2 No. 38



UL Classified, 2-hour fire-resistive cable,  
tested to UL 2196



ULC Listed, 2-hour fire-resistant cable,  
tested to ULC-S139-00