

# Multi-Conductor LSZH XHHW-2, RHW-2 Power & Control Cables

## UL 44 XHHW-2, RHW-2, 600V or 2,000V, 90°C Wet/Dry

- EXRAD® 125HF Irradiation Cross-linked Insulation
- Low Smoke, Halogen-Free
- Best-In-Class Flexibility
- Superior Gas and Oil Resistance and Durability
- Meets and Exceeds UL44

- 14AWG to 10AWG, 2C to 37C
- For use in Wet Locations
- Superior Performance in Harsh Environments
- Sunlight Resistant
- Exceeds Industry Standards



















#### **CABLE CONSTRUCTION:**

**Conductor**<sup>(1)</sup>: 10 AWG thru 14 AWG, Bare Copper or Tinned Copper, ASTM Class B Stranding Insulation: EXRAD 125HF Low Smoke Zero Halogen Irradiation Cross-linked Modified Polyolefin

**Shield**<sup>(2)</sup>: Optional foil/braided shield

Jacket: EXRAD 125HF Low Smoke Zero Halogen Irradiation Cross-linked Modified Polyolefin

**Print**(3) Per UL 44 and customer requirements, including traceability and sequential length markers

<sup>(2)</sup>Multiple Shielding Options Available. Consult Factory.

#### CONFORMANCE TO PERFORMANCE STANDARDS:

#### **UL 44 Thermoset-Insulated Wires - Irradiation Cross-linked Polyolefin**

XHHW-2, RHW, RHW-2, USE-2, 600V or 2000V Multi-Conductor Cables

Sunlight Resistance - 720 Hour Exposure Test

FT4 - Flame Test

ST-1 - Limited Smoke

Oil Resistance - PRII

Gasoline Resistance - GRII

NFPA 130 - Standard for Fixed Guideway Transit and Passenger Rail Systems - 2020

Sections 12.2.1(2), 8.6.7.1.1.1

FT4/IEEE1202 - Flame Testing of Cables for use in Cable Tray ANSI/UL 1685 - Total Smoke Released and Peak Smoke Release Rate



<sup>(1)</sup> ASTM B172 Class K Stranding is Available (30 AWG, more flexible, slightly larger OD), Consult Factory.

<sup>(3)</sup> Custom Print Available. Consult Factory.



# Multi-Conductor LSZH XHHW-2, RHW-2 Power & Control Cables

### **600V XHHW-2**

| Product Number     | # Cond. | AWG (Tin Copper) | Cond OD (in) | Insulated<br>Wire OD | Cable OD (in) | Cable Weight LBS/KFT |
|--------------------|---------|------------------|--------------|----------------------|---------------|----------------------|
| ZH-XHHW2-600-5C10  | 5C      | 10(7)            | 0.116        | .181                 | .619          | 289                  |
| ZH-XHHW2-600-5C12  | 5C      | 12(7)            | 0.091        | .156                 | .522          | 193                  |
| ZH-XHHW2-600-36C12 | 36C     | 12(7)            | 0.091        | .156                 | 1.27          | 973                  |
| ZH-XHHW2-600-5C14  | 5C      | 14(7)            | 0.072        | .137                 | .471          | 143                  |
| ZH-XHHW2-600-7C14  | 7C      | 14 (7)           | 0.072        | .137                 | .512          | 187                  |
| ZH-XHHW2-600-9C14  | 9C      | 14 (7)           | 0.072        | .137                 | .565          | 247                  |
| ZH-XHHW2-600-12C14 | 120     | 14 (7)           | 0.072        | .137                 | .702          | 325                  |
| ZH-XHHW2-600-19C14 | 190     | 14(7)            | 0.072        | .137                 | .818          | 481                  |
| ZH-XHHW2-600-27C14 | 270     | 14 (7)           | 0.072        | .137                 | 1.02          | 707                  |
| ZH-XHHW2-600-37C14 | 37C     | 14 (7)           | 0.072        | .137                 | 1.14          | 929                  |

### 2000V RHW-2

| Product Number     | #     | AWG          | Cond OD | Insulated | Cable OD | Weight |
|--------------------|-------|--------------|---------|-----------|----------|--------|
|                    | Cond. | (Tin Copper) | (in)    | Wire OD   | (in)     |        |
| ZH-RHW2-2000-5C10  | 5C    | 10 (7)       | 0.116   | .211      | .700     | 331    |
| ZH-RHW2-2000-7C14  | 7C    | 14 (7)       | 0.072   | .167      | .602     | 230    |
| ZH-RHW2-2000-9C14  | 9C    | 14 (7)       | 0.072   | .167      | .736     | 314    |
| ZH-RHW2-2000-15C14 | 15C   | 14 (7)       | 0.072   | .167      | .962     | 530    |
| ZH-RHW2-2000-27C14 | 27C   | 14 (7)       | 0.072   | .167      | 1.206    | 873    |
| ZH-RHW2-2000-37C14 | 37C   | 14 (7)       | 0.072   | .167      | 1.347    | 1,147  |

Other conductor counts available. Shielded options available, consult factory.

All dimensions Imperial and nominal according to industry best-practice unless otherwise specified. For cables with >36 conductors, the NEMA WC 70 Method 1 color code will repeat





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