



**Southwire**<sup>®</sup>  
WE DELIVER POWER... RESPONSIBLY<sup>®</sup>

## PRODUCT DATA SHEET

Controlled Document - Engineering Drive

1530 Shields Drive  
Waukegan, IL 60085  
Toll-Free (800) 323-9355  
Fax: (847) 689-1192

### XHHW-2

#### Construction Parameters:

**CONDUCTOR:** 8 AWG stranded tinned copper  
**INSULATION:** Cross-Linked Polyethylene (XLPE)  
**COLOR CODE:** Gray  
**PRINT LEGEND:** 8 AWG:  
Southwire® 8 AWG (8.37 mm<sup>2</sup>) E137925 (UL) XHHW-2 90C 600V PR I/II GR I/II VW-1 SUNLIGHT-RESISTANT -- C(UL)  
RW90 XLPE 90C WET OR DRY 600V FT1 FT4

#### PHYSICAL PROPERTIES:

**TEMPERATURE RANGE:** -40°C to 90°C Dry, 90C Wet

#### ELECTRICAL PROPERTIES:

**VOLTAGE RATING:** 600V rms, Max

#### Industry Approvals:

- o ASTM B-3 & B-8
- o UL 44 Type XHHW-2, 600V
- o Sunlight Resistant
- o Oil and Gas Resistant PRI, PRII, GRI, GRII
- o C(UL) RW90, 600V
- o Flame Tests: CSA FT1, FT4 (8 AWG & Larger)
- o ICEA S-95-658/NEMA WC 70
- o EPA 40 CFR, Part 26, Subpart C, heavy metals per Table 1, TCLP method

Part Number	AWG, kcmil	No. Cond.	Stranding	Insulation Wall, Nom.		O.D., Nom.		Net Weight		Amps		Nom. DCR Ω/1M'
				Inches	mm	Inches	mm	Lb./kft.	kg/km	NEC*	CEC <sup>†</sup>	
TBD	8	1	7/0.0486	0.047	1.20	0.249	6.32	70	104	80	70	0.67

Note: All dimensions & weights are nominal subject to industry standards and tolerances unless otherwise noted.

\* Ampacity values based on NEC Table 310.15(B)(17) (8 AWG thru 4/0) 90°C. Larger sizes based on single conductor in free air, 30°C ambient and 90°C conductor temperature.

† Ampacity values based on CEC Table 1 (RW90) 90°C.

This product complies with European Directive 2011/65/EU (RoHS-2)

The customer will accept all factory lengths and +/- 10 percent of total order requested.

The information presented here is, to the best of our knowledge, true and accurate. Since conditions of use are beyond Southwire's control all product data presented is for informational purposes only and does not create a binding obligation or liability on Southwire or confer any rights on any customer. The sale of products(s) is conditioned upon acceptance of a purchase order subject to Southwire disclaims all liability in connection with the use of information contained herein or otherwise.

This specification is proprietary intellectual property of Southwire. Any information contained herein shall not be disclosed to any party without written consent of Southwire

Specification Issue Date: September 16, 2016