SIS/XHHW-2 VW-1

90°C Wet/Dry. 600 Volts. Flexible Stranded Copper Conductor. XLPE Insulation.

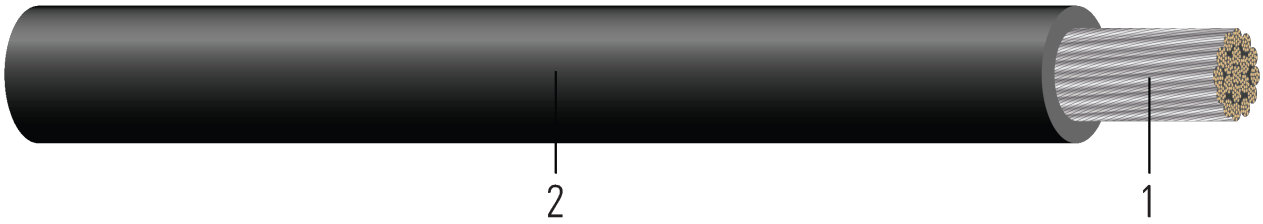


Image not to scale. See Table 1 for dimensions.

CONSTRUCTION:

1. **Conductor:** Flexible stranded tinned copper. Bare copper available upon request
2. **Insulation:** Cross Linked Polyethylene (XLPE). All colors available

APPLICATIONS AND FEATURES:

Designed for internal wiring of electrical equipment, control panels, appliances, and ground for use on industrial plan floor. For use as permitted by National Electrical Code® Article 310.

- SIS: 90°C Dry, 600V
- XHHW-2: 90°C Dry, 90°C Wet, 1000V
- RW90: 90°C Dry, 90°C Wet, 8 - 4/0 AWG 600V

Rated for Oil Res II, Gasoline Res II, VW-1, FT1, FT2 or FT4 (8 AWG and larger), and -40°C Cold Bend

SPECIFICATIONS:

- ASTM B33 Standard Specification for Tin-Coated Soft or Annealed Copper Wire
- ASTM B172 Standard Specification for Rope-Lay-Stranded Copper Conductors Having Bunch-Stranded Copper Conductors (As Applicable)
- ASTM B173 Rope-Lay-Stranded Copper Conductors Having Concentric-Stranded Members
- ASTM B174 Standard Specification for Bunch-Stranded Copper
- UL 44 Thermoset-Insulated Wires and Cables
- CSA C22.2 No. 38 Thermoset-insulated wires and cables

SAMPLE PRINT LEGEND:

14 - 10 AWG

XX AWG (XXmm2) CLASS K E30117 (UL) XHHW-2 SR PRII GRII OR SIS 90C 1000V VW-1 -- 156205 CSA SIS 90C 600V -40C FT1 FT2 VW-1

8 - 4/0 AWG

XX AWG (XXmm2) E30117 (UL) XHHW-2 SR PRII GRII OR SIS 90C 1000V VW-1 -- 156205 CSA RW90 90C DRY/90C WET 600V PRI -40C FT1 FT4 OR SIS 90C 600V -40C FT1 FT2 VW-1

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Table 1 – Physical and Electrical Data

Stock Number	Cond. Size	Cond. Strands	Diameter Over Cond.	Insul. Thickness	Approx. OD	Approx. Weight	DC Resistance @ 25°C
	AWG	strands	inch	mil	inch	lb /1000ft	Ω /1000ft
XHHW-2 / SIS							
F14453	14	41	0.071	30	0.127	18	2.814
F12218	12	65	0.090	30	0.154	28	1.774
F10188	10	105	0.114	30	0.175	40	1.081
XHHW-2 / SIS / RW90							
18808	8	133	0.149	45	0.247	71	0.679
18806	6	133	0.170	45	0.268	104	0.435
18804	4	133	0.240	45	0.338	159	0.274
18802	2	133	0.290	45	0.388	241	0.172
18821	1/0	1064	0.365	55	0.485	383	0.109
18822	2/0	1330	0.409	55	0.529	472	0.087
18823	3/0	1672	0.460	55	0.580	577	0.069
18824	4/0	2109	0.535	55	0.654	718	0.055

All dimensions are nominal and subject to normal manufacturing tolerances
◊ Cable marked with this symbol is a standard stock item
TBA stock codes are estimations only and actual product may vary. Please wait until a stock code is assigned to purchase connectors and/or fittings.

Ampacity

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