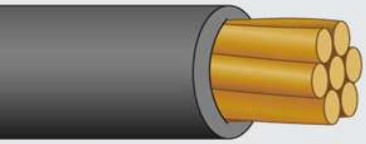
KRIS-TECH PRODUCT SPECIFICATIONS

RHW-2/USE-2



MADE IN U. S. A. | UL LISTED | RoHS COMPLIANT

APPLICABLE TESTS AND STANDARDS

- ✓ ASTM B-1, B-3, B-8, B-33 and B-174
- ✓ UL 44
- ✓ FAA AC 150/5345-7F
- ✓ ICEA S-95-658/NEMA WC70

FEATURES

- ✓ 600V, 100V AND 2000V RATED (RHW-2)
- ✓ -40°C TO 90°C MAX CONTINUING OPERATING TEMPERATURE IN WET LOCATIONS
- ✓ -40°C TO 105°C MAX CONTINUING OPERATING TEMPERATURE IN DRY LOCATIONS

PRINT LEGEND

- ✓ KRIS-TECH WIRE CO. #XX AWG XLPE TYPE RHW-2 600V AND 1000V OR USE-2 600V (UL) ROHS
- ✓ KRIS-TECH WIRE CO. #XX AWG XLPE TYPE RHW-2 2000V (UL) ROHS

VALUE ADD SERVICE

- ✓ CUSTOM LENGTHS AND PUT-UPS
- ✓ 12 AVAILABLE COLORS
- ✓ WIRE PARALLELING AND CABLING
- ✓ WIRE STRIPING
- ✓ CUSTOM PRINT LEGENDS AND LABELS

SNAP FOR MORE INFORMATION

SCOPE

RHW-2 is a single-conductor power and control cable with XLPE insulation. This wire is primarily used in direct burial and aerial installations, chemical plants, raceways, ducts, and industrial applications. It also excels in wet or dry locations, indoors or outdoors, underground ducts, or lashed to a messenger for aerial installation.

CONSTRUCTION

Conductors: Single conductors are available in solid or stranded, annealed or hardened configuration. Tin coated copper conductors are also available.

Insulation: Conductors are insulated with a concentrically applied XLPE (crosslinked polyethylene) that is FT2 flame and "Oil and Gasoline Resistant I" rated. Conductors are CT (FT4) rated in sizes #1/0 and larger. An optional VW-1 flame rating is available on request.

All black insulation is rated "Sunlight Resistant". All colored insulation is rated "Sunlight Resistant" in sizes #6 AWG and larger, and optional in sizes #8 AWG and smaller.

IDENTIFICATION AND PACKAGING

Print legends on the wire shall include the manufacturer, conductor size, voltage rating, UL symbol (if applicable) and type designation. Standard length spools are 500 or 2500 feet.

AWG/MCM	Standard Number of Strands	Optional Stranding**	Insulation Thickness 600V/2KV (Mils)	Nominal Overall Diameter 600V/2KV (Inches)	Approx. Shipping Weight 600V/2KV (Lbs./1000')	Ampacity @ 90°C*
14	1	-	45 / -	0.15 / -	19 / -	25
	7	19, 41	45 / 60	0.16 / 0.19	21 / 25	25
12	1	-	45 / -	0.17 / -	28 / -	30
	7	19, 65	45 / 60	0.18 / 0.21	30 / 33	30
10	1	-	45 / -	0.19 / -	41 / -	40
	7	19, 105	45 / 60	0.21 / 0.24	44 / 49	40
8	1	-	60 / -	0.25 / -	66 / -	55
	7	19, 133	60 / 70	0.27 / 0.29	70 / 74	55
6	1	-	60 / 70	0.28 / 0.30	99 / 103	75
	7	19, 133	60 / 70	0.30 / 0.32	106 / 111	75
4	7	19, 133	60 / 70	0.35 / 0.37	161 / 166	95
3	7	-	60 / 70	0.38 / 0.40	190 / 196	115
2	7	19, 133	60 / 70	0.41 / 0.43	246 / 252	130
1	19	133	80 / 90	0.49 / 0.51	318 / 325	145
1/0	19	133	80 / 90	0.53 / 0.55	393 / 400	170
2/0	19	37	80 / 90	0.58 / 0.60	484 / 492	195
3/0	19	37	80 / 90	0.63 / 0.65	601 / 610	225
4/0	19	37	80 / 90	0.69 / 0.71	743 / 753	260
250	37	-	95 / 105	0.77 / 0.79	879 / 891	290
300	37	-	95 / 105	0.82 / 0.84	1013 / 1026	320
350	37	-	95 / 105	0.87 / 0.89	1201 / 1217	350
400	37	-	95 / 105	0.95 / 0.97	1368 / 1386	380
500	37	-	95 / 105	1.00 / 1.02	1684 / 1718	430
600	61	-	110 / 120	1.11 / 1.13	2017 / 2033	475
750	61	-	110 / 120	1.21 / 1.23	2515 / 2532	535

***Ampacity is from NEC Article 310. Check with local codes authority for guidance with your application.**
****This stranding may require a Minimum Order Quantity, please contact Kris-Tech Sales for more information.**