



## POWER KABEL INC.

### Type SIS, Copper XHHW-2 VW-1 600 and 1KV

#### APPLICATIONS & FEATURES

Single conductor, Type SIS, Type XHHW-2 VW-1 for 600 and 1000 volts or Type RW90 for use at 600 volts or less RoHS compliant. It is rated for a maximum continuous operating temperature between -40°C and 90°C in wet and 105°C in dry locations.

#### INDUSTRY COMPLIANCES

- ASTM B-1, B-3, B-33, B-8, B-173 and B-174
- BL 44 and UL83
- ESA C22.2 No. 38-10
- NEC NFPA 70, NEC 310
- BL vertical flame test

#### CONSTRUCTION

Conductors: Single copper conductors as solid or stranded, annealed or hard, coated, or uncoated copper per UL and ASTM requirements. Tinned conductors are standard in SIS constructions.  
 Insulation: Gray XLP (crosslinked polyethylene) is "Oil and Gasoline Resistant II" is standard. All black insulation is rated "Sunlight Resistant". CT rating for 1/0 and larger sizes.

| AWG   | STRANDING | OPTIONAL STRANDING | INSULATION THICKNESS | OVERALL DIAMETER (INCHES) | POUNDS PER 1000 FT |
|-------|-----------|--------------------|----------------------|---------------------------|--------------------|
| 18**  | 16        | -                  | 30                   | 0.11"                     | 11                 |
| 16**  | 26        | -                  | 30                   | 0.12"                     | 15                 |
| 14    | 41        | 7, 19              | 30                   | 0.13"/0.14"               | 21                 |
| 12    | 65        | 7, 19              | 30                   | 0.15"/0.16"               | 27                 |
| 10    | 105       | 7, 19              | 30                   | 0.17"/0.18"               | 40                 |
| 8     | 133       | 7, 19              | 45                   | 0.24"/0.25"               | 75                 |
| 6     | 133       | 7, 19              | 45                   | 0.28"/0.30"               | 115                |
| 4     | 133       | 7, 19              | 45                   | 0.32"/0.34"               | 175                |
| 2     | 133       | 7, 19, 259         | 45                   | 0.38"/0.40"               | 250                |
| 1     | 133       | 19, 37, 259        | 55                   | 0.44"/0.46"               | 330                |
| 1/0   | 133       | 19, 37, 259        | 55                   | 0.48"/0.52"               | 400                |
| 36557 | 133       | 19, 37, 259        | 55                   | 0.57"                     | 471                |
| 36586 | 133       | 19, 37, 259        | 55                   | 0.64"                     | 586                |
| 36617 | 133       | 19, 37, 259        | 55                   | 0.70"                     | 730                |