

TYPE W 1/c 2kV

Single conductor Round portable power cable

SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58
ICEA S-95-658/NEMA WC70
ASTM B172, ASTM B 33

CONSTRUCTION:

| | |
|-------------------------|--|
| Conductors: | Annealed flexible stranded tin coated copper or optional bare copper in accordance with ASTM B-172 and ICEA S-75-381/NEMA WC58 |
| Separator: | A suitable tape separator between the conductor and insulation |
| Insulation: | Ethylene-propylene rubber (EPR) type EP |
| Reinforcement: | Single faced rubber filled binder tape over insulation |
| Jacket: | A CPE thermosetting compound, heavy or extra heavy duty in accordance with par. 3.21 of ICEA S-75-381; Neoprene® optional jacket available |
| Color of jacket: | Black; Other colors available |



| FEATURES | APPLICATIONS |
|---|--|
| <ul style="list-style-type: none">- Excellent flexibility- Water resistant and flame retardant- Rated and flexible at -40°C to +90°C- Excellent impact and abrasion resistant- Ozone sunlight oil, grease, weather, chemical resistant- Indent printed for easy identification | <ul style="list-style-type: none">- Portable power systems- Other industrial applications |

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

| | |
|--------------|---|
| MSHA: | P-7K-268101 (CPE); P-7K-268077 (Neoprene) |
| UL: | E207132 – “Oil Resistant”; “75°C – Wet” or “90°C –Wet”; “Sunlight resistance” or “Sun Res”; “Oil Resistant inners” (CPE) |
| CUL: | E207132 - “FT1”; “FT5”, “(-40°C)” or “Minus 40°C”; “90°C” (CPE) |
| CSA: | 1523058 (LR 103932) - “FT1”; “FT5”; “90°C”; “(-40°C)” (Neoprene) |

Neoprene is a registered trademark of DuPont



TYPE W 1/c 2kV

TINNED COPPER CONDUCTORS (STANDARD)

| Part Number | Power Conductor Size | Power Conductor Stranding | Nominal Insulation Thickness | | Nominal O.D. | | Approx. Weight | | Ampacity (1) 40°C Ambient Temp. |
|-------------|----------------------|---------------------------|------------------------------|------|--------------|------|----------------|--------|------------------------------------|
| | | | inches | mm | inches | mm | lbs/1000 ft | kgs/km | A |
| W8-1CuSn | 8 AWG | 133 7x19 | 0.06 | 1.52 | 0.440 | 11.2 | 129 | 192 | 83 |
| W6-1CuSn | 6 AWG | 133 7x19 | 0.06 | 1.52 | 0.511 | 13.0 | 188 | 280 | 109 |
| W4-1CuSn | 4 AWG | 259 7x37 | 0.06 | 1.52 | 0.551 | 14.0 | 249 | 371 | 145 |
| W2-1CuSn | 2 AWG | 259 7x37 | 0.06 | 1.52 | 0.638 | 16.2 | 363 | 540 | 192 |
| W1-1CuSn | 1 AWG | 259 7x37 | 0.08 | 2.03 | 0.720 | 18.3 | 458 | 682 | 223 |
| W1/0-1CuSn | 1/0 AWG | 266 19x14 | 0.08 | 2.03 | 0.768 | 19.5 | 536 | 798 | 258 |
| W2/0-1CuSn | 2/0 AWG | 342 19x18 | 0.08 | 2.03 | 0.787 | 20.0 | 635 | 945 | 298 |
| W3/0-1CuSn | 3/0 AWG | 418 19x22 | 0.08 | 2.03 | 0.870 | 22.1 | 753 | 1121 | 345 |
| W4/0-1CuSn | 4/0 AWG | 532 19x28 | 0.08 | 2.03 | 0.885 | 22.5 | 897 | 1335 | 400 |
| W250-1CuSn | 250 MCM | 627 19x33 | 0.095 | 2.41 | 1.031 | 26.2 | 1088 | 1619 | 445 |
| W350-1CuSn | 350 MCM | 888 37x24 | 0.095 | 2.41 | 1.146 | 29.1 | 1444 | 2149 | 552 |
| W500-1CuSn | 500 MCM | 1221 37x33 | 0.095 | 2.41 | 1.255 | 31.9 | 1913 | 2847 | 695 |
| W800-1CuSn | 800 MCM | 1891 61x31 | 0.095 | 2.41 | 1.614 | 41.0 | 3071 | 4570 | 925 |

BARE COPPER CONDUCTORS

| Part Number | Power Conductor Size | Power Conductor Stranding | Nominal Insulation Thickness | | Nominal O.D. | | Approx. Weight | | Ampacity (1) 40°C Ambient Temp. |
|-------------|----------------------|---------------------------|------------------------------|------|--------------|------|----------------|--------|------------------------------------|
| | | | inches | mm | inches | mm | lbs/1000 ft | kgs/km | A |
| W8-1Cu | 8 AWG | 168x0.01 | 0.06 | 1.52 | 0.450 | 11.4 | 129 | 192 | 83 |
| W6-1Cu | 6 AWG | 259x0.01 | 0.06 | 1.52 | 0.530 | 13.5 | 188 | 280 | 109 |
| W4-1Cu | 4 AWG | 412x0.01 | 0.06 | 1.52 | 0.586 | 14.9 | 249 | 371 | 145 |
| W2-1Cu | 2 AWG | 259x0.0159 | 0.06 | 1.52 | 0.660 | 16.8 | 363 | 540 | 192 |
| W1-1Cu | 1 AWG | 331x0.0159 | 0.08 | 2.03 | 0.740 | 18.8 | 458 | 682 | 223 |
| W1/0-1Cu | 1/0 AWG | 414x0.0159 | 0.08 | 2.03 | 0.800 | 20.3 | 536 | 798 | 258 |
| W2/0-1Cu | 2/0 AWG | 522x0.0159 | 0.08 | 2.03 | 0.845 | 21.5 | 635 | 945 | 298 |
| W3/0-1Cu | 3/0 AWG | 658x0.0159 | 0.08 | 2.03 | 0.910 | 23.1 | 753 | 1121 | 345 |
| W4/0-1Cu | 4/0 AWG | 829x0.0159 | 0.08 | 2.03 | 0.970 | 24.6 | 897 | 1335 | 400 |
| W250-1Cu | 250 MCM | 973x0.0159 | 0.095 | 2.41 | 1.070 | 27.2 | 1088 | 1619 | 445 |
| W350-1Cu | 350 MCM | 1361x0.0159 | 0.095 | 2.41 | 1.200 | 30.5 | 1444 | 2149 | 552 |
| W500-1Cu | 500 MCM | 1921x0.0159 | 0.095 | 2.41 | 1.375 | 34.9 | 1913 | 2847 | 695 |
| W800-1Cu | 800 MCM | 1909x0.0201 | 0.095 | 2.41 | 1.614 | 41.0 | 3071 | 4570 | 925 |

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TELE-FONIKA (SIZE) TYPE W 2000V PORTABLE POWER CABLE RHH/RHW 90C SUN OIL RES 90C WET OR DRY
(UL) E207132 E193954 C(UL) FT-5 (-40C) P-7K-268101-MSHA

