

| TYPE                                                      | OIL  | WET  | DRY   | VOLTAGE |
|-----------------------------------------------------------|------|------|-------|---------|
| THHN-THWN                                                 | 75°C | 75°C | 90°C  | 600V    |
| THWN-2                                                    | 75°C | 90°C | 90°C  | 600V    |
| MTW                                                       | 60°C | 60°C | 90°C  | 600V    |
| AWM 1316 to 1321                                          | 80°C | -    | 105°C | 600V    |
| AWM 1408 to 1414                                          | 60°C | 60°C | 90°C  | 600V**  |
| AWM 1452 to 1453 *                                        | 80°C | -    | 90°C  | 100V    |
| T90 NYLON                                                 | 60°C | -    | 90°C  | 600V    |
| TWN 75                                                    | -    | 75°C | -     | 600V    |
| * 14-10 AWG only                                          |      |      |       |         |
| ** 14-10 AWG only 2500 volts peak for electronic use only |      |      |       |         |



| SIZE (AWG OR KCMIL) | NO. STRANDS | PVC INSUL. THICK (INCHES) | NYLON JACKET THICK. (INCHES) | APPROX. OUTSIDE DIAMETER (INCHES) | AMPACITY   |            |           | APPROX. WEIGHT 1000 FT. (LBS) |
|---------------------|-------------|---------------------------|------------------------------|-----------------------------------|------------|------------|-----------|-------------------------------|
|                     |             |                           |                              |                                   | THWN. 75°C | THHN. 90°C | MTW. 60°C |                               |
| 14                  | Solid       | 0.015                     | 0.004                        | 0.104                             | 15         | 15         | -         | 16                            |
| 12                  | Solid       | 0.015                     | 0.004                        | 0.121                             | 20         | 20         | -         | 24                            |
| 10                  | Solid       | 0.020                     | 0.004                        | 0.152                             | 30         | 30         | -         | 38                            |
| 14                  | 19          | 0.015                     | 0.004                        | 0.112                             | 15         | 15         | 15        | 17                            |
| 12                  | 19          | 0.015                     | 0.004                        | 0.131                             | 20         | 20         | 20        | 26                            |
| 10                  | 19          | 0.020                     | 0.004                        | 0.164                             | 30         | 30         | 30        | 40                            |
| 8                   | 19          | 0.030                     | 0.005                        | 0.216                             | 50         | 55         | 40        | 66                            |
| 6                   | 19          | 0.030                     | 0.005                        | 0.253                             | 65         | 75         | 55        | 100                           |
| 4                   | 19          | 0.040                     | 0.006                        | 0.322                             | 85         | 95         | 70        | 159                           |
| 3                   | 19          | 0.040                     | 0.006                        | 0.350                             | 100        | 110        | 85        | 191                           |
| 2                   | 19          | 0.040                     | 0.006                        | 0.381                             | 115        | 130        | 95        | 241                           |
| 1                   | 19          | 0.040                     | 0.007                        | 0.443                             | 130        | 150        | 110       | 305                           |
| 1/0                 | 19          | 0.050                     | 0.007                        | 0.483                             | 150        | 170        | 125       | 377                           |
| 2/0                 | 19          | 0.050                     | 0.007                        | 0.528                             | 175        | 195        | 145       | 468                           |
| 3/0                 | 19          | 0.050                     | 0.007                        | 0.579                             | 200        | 225        | 165       | 581                           |
| 4/0                 | 19          | 0.050                     | 0.007                        | 0.636                             | 230        | 260        | 195       | 722                           |
| 250                 | 37          | 0.060                     | 0.008                        | 0.704                             | 255        | 290        | 215       | 860                           |
| 300                 | 37          | 0.060                     | 0.008                        | 0.758                             | 285        | 320        | 240       | 1018                          |
| 350                 | 37          | 0.060                     | 0.008                        | 0.808                             | 310        | 350        | 260       | 1180                          |
| 400                 | 37          | 0.060                     | 0.008                        | 0.855                             | 335        | 380        | 280       | 1342                          |
| 500                 | 37          | 0.060                     | 0.008                        | 0.938                             | 380        | 430        | 320       | 1661                          |
| 600                 | 61          | 0.070                     | 0.009                        | 1.039                             | 420        | 475        | 355       | 2007                          |
| 750                 | 61          | 0.070                     | 0.009                        | 1.143                             | 475        | 535        | 400       | 2497                          |

NOTES:

\* Allowable ampacity of not more than three conductors in raceway or cable based on ambient temperatures of 30°C (86°F), per Table 310.16 on 2008 . National Electrical Code (NFPA 70 2008).

\* Allowable ampacity of Type MTW conductors 60°C wet or dry in cable or raceway per Table 12.5.1 of the Electrical Standard for Industrial Machinery, NFPA 79-2008 (ANSI).