



## CABLE STRUCTURE

|                     |                                                                                      |
|---------------------|--------------------------------------------------------------------------------------|
| <b>Conductor</b>    | Annealed stranded bare copper per ASTM B-174 and UL62                                |
| <b>Insulation</b>   | EPDM 90°C Compound Class3 ,Table8 UL62                                               |
| <b>Assembly</b>     | Insulated cores cabled together with integral fillers                                |
| <b>Outer Sheath</b> | Chlorinated Polyethylene (CPE)<br>compound class 1.4 ,UL62 , table15 (-40°C / +90°C) |
| <b>Color</b>        | Black (All other colors available)                                                   |

## STANDARDS & MAIN CHARACTERISTICS

|                                    |                                   |
|------------------------------------|-----------------------------------|
| <b>Rated Voltage</b>               | 600 V                             |
| <b>Temperature Range</b>           | -40 °C(-40 °F) to +90 °C(+194 °F) |
| <b>Flexible Cords and Cables</b>   | UL62                              |
| <b>Wire and Cable Test methods</b> | UL2556 -15 , CSA C22.2            |
| <b>Flexible Cords and Cables</b>   | CAN/CSA-C22.2 No.49-18            |
| <b>Flame Test</b>                  | FT2                               |
| <b>RoHS</b>                        |                                   |

### Application

Power cable designed for use in industrial and other demanding applications, including heavy equipment, construction machinery, motors and welding leads, portable lighting, battery chargers, shallow water immersion, and mining environments.



Flame Retardant



Oil Resistant



Solvents Resistant



Weather Resistant



Sunlight Resistant



Water Resistant



Moisture Resistant

|         |                     |         |                                  |
|---------|---------------------|---------|----------------------------------|
| 2 Coes  | Black, White        | 4 Cores | Black, White, Red, Green         |
| 3 Cores | Black, White, Green | 5 Cores | Black, White, Red, Green, Orange |

| Number of Conductors | Color  | Tracer | Number of Conductors | Color  | Tracer | Number of Conductors | Tracer | Number of Conductors |
|----------------------|--------|--------|----------------------|--------|--------|----------------------|--------|----------------------|
| 1                    | Black  |        | 8                    | Red    | Black  | 15                   | Blue   | White                |
| 2                    | White  |        | 9                    | Green  | Black  | 16                   | Black  | Red                  |
| 3                    | Red    |        | 10                   | Orange | Black  | 17                   | White  | Red                  |
| 4                    | Green  |        | 11                   | Blue   | Black  | 18                   | Orange | Red                  |
| 5                    | Orange |        | 12                   | Black  | White  | 19                   | Blue   | Red                  |
| 6                    | Blue   |        | 13                   | Red    | White  | 20                   | Red    | Green                |
| 7                    | White  | Black  | 14                   | Green  | White  | 21                   | Orange | Green                |

| Part Number  | Number of Cores and Size | No of wire x Diameter of Wire | Nominal Insulation Thickness |      | Cable Diameter Approx. (Tolerance $\pm 5\%$ ) |        | Cable Weight Approx. kg/km | Cable Weight Approx. lbs/MF |
|--------------|--------------------------|-------------------------------|------------------------------|------|-----------------------------------------------|--------|----------------------------|-----------------------------|
|              |                          |                               | inches                       | mm   | mm                                            | inches |                            |                             |
| UNT18-02SOOW | 2 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 8,8                                           | 0,346  | 88                         | 59                          |
| UNT18-03SOOW | 3 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 9,3                                           | 0,66   | 107                        | 72                          |
| UNT18-04SOOW | 4 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 10                                            | 0,394  | 132                        | 89                          |
| UNT18-05SOOW | 5 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 11,8                                          | 0,465  | 182                        | 122                         |
| UNT18-06SOOW | 6 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 12,6                                          | 0,496  | 206                        | 138                         |
| UNT18-07SOOW | 7 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 13,6                                          | 0,535  | 231                        | 155                         |
| UNT18-08SOOW | 8 x 18AWG                | 16 x 30                       | 0,03                         | 0,76 | 13,9                                          | 0,547  | 244                        | 164                         |
| UNT18-10SOOW | 10 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 15,4                                          | 0,606  | 290                        | 195                         |
| UNT18-12SOOW | 12 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 15,9                                          | 0,626  | 325                        | 218                         |
| UNT18-14SOOW | 14 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 16,6                                          | 0,654  | 362                        | 243                         |
| UNT18-16SOOW | 16 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 18,2                                          | 0,717  | 442                        | 297                         |
| UNT18-18SOOW | 18 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 19                                            | 0,748  | 482                        | 324                         |
| UNT18-20SOOW | 20 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 20                                            | 0,787  | 524                        | 352                         |
| UNT18-24SOOW | 24 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 21,8                                          | 0,858  | 601                        | 404                         |
| UNT18-30SOOW | 30 x 18AWG               | 16 x 30                       | 0,03                         | 0,76 | 23                                            | 0,906  | 706                        | 475                         |
| UNT16-02SOOW | 2 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 9,4                                           | 0,37   | 104                        | 70                          |
| UNT16-03SOOW | 3 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 9,9                                           | 0,39   | 128                        | 86                          |
| UNT16-04SOOW | 4 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 10,8                                          | 0,425  | 162                        | 109                         |
| UNT16-05SOOW | 5 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 12,6                                          | 0,496  | 219                        | 147                         |
| UNT16-06SOOW | 6 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 13,5                                          | 0,531  | 249                        | 167                         |
| UNT16-07SOOW | 7 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 13,5                                          | 0,531  | 270                        | 182                         |
| UNT16-08SOOW | 8 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 14,9                                          | 0,587  | 300                        | 202                         |
| UNT16-09SOOW | 9 x 16AWG                | 26 x 30                       | 0,03                         | 0,76 | 16,4                                          | 0,646  | 342                        | 230                         |
| UNT16-10SOOW | 10 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 16,6                                          | 0,654  | 358                        | 240                         |
| UNT16-12SOOW | 12 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 17,9                                          | 0,705  | 440                        | 296                         |
| UNT16-14SOOW | 14 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 18,7                                          | 0,736  | 491                        | 330                         |

| Part Number  | Number of Cores and Size | No of wire x Diameter of Wire | Nominal Insulation Thickness |      | Cable Diameter Approx. (Tolerance $\pm 5\%$ ) |        | Cable Weight Approx. kg/km | Cable Weight Approx. lbs/MF |
|--------------|--------------------------|-------------------------------|------------------------------|------|-----------------------------------------------|--------|----------------------------|-----------------------------|
|              |                          |                               | inches                       | mm   | mm                                            | inches |                            |                             |
|              | No. x..AWG               | No. x ..AWG                   |                              |      |                                               |        |                            |                             |
| UNT16-16SOOW | 16 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 19,6                                          | 0,772  | 549                        | 369                         |
| UNT16-18SOOW | 18 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 20,5                                          | 0,807  | 601                        | 404                         |
| UNT16-20SOOW | 20 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 21,6                                          | 0,85   | 656                        | 440                         |
| UNT16-22SOOW | 22 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 22,6                                          | 0,89   | 710                        | 477                         |
| UNT16-24SOOW | 24 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 23,6                                          | 0,929  | 757                        | 509                         |
| UNT16-26SOOW | 26 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 23,6                                          | 0,929  | 800                        | 538                         |
| UNT16-30SOOW | 30 x 16AWG               | 26 x 30                       | 0,03                         | 0,76 | 25,5                                          | 1,004  | 935                        | 628                         |
| UNT14-02SOOW | 2 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 12,6                                          | 0,496  | 181                        | 122                         |
| UNT14-03SOOW | 3 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 13,3                                          | 0,524  | 226                        | 152                         |
| UNT14-04SOOW | 4 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 14,5                                          | 0,571  | 286                        | 192                         |
| UNT14-05SOOW | 5 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 16,7                                          | 0,657  | 376                        | 252                         |
| UNT14-06SOOW | 6 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 17,9                                          | 0,705  | 446                        | 300                         |
| UNT14-07SOOW | 7 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 17,9                                          | 0,705  | 466                        | 313                         |
| UNT14-08SOOW | 8 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 19,9                                          | 0,783  | 517                        | 347                         |
| UNT14-09SOOW | 9 x 14AWG                | 41 x 30                       | 0,045                        | 1,14 | 21,9                                          | 0,862  | 591                        | 397                         |
| UNT14-10SOOW | 10 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 22,2                                          | 0,874  | 621                        | 417                         |
| UNT14-12SOOW | 12 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 22,9                                          | 0,902  | 704                        | 473                         |
| UNT14-14SOOW | 14 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 24                                            | 0,945  | 793                        | 524                         |
| UNT14-16SOOW | 16 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 25,9                                          | 1,02   | 934                        | 628                         |
| UNT14-20SOOW | 20 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 28,6                                          | 1,126  | 1121                       | 753                         |
| UNT14-24SOOW | 24 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 31,4                                          | 1,236  | 1300                       | 874                         |
| UNT14-30SOOW | 30 x 14AWG               | 41 x 30                       | 0,045                        | 1,14 | 33,2                                          | 1,307  | 1548                       | 1040                        |
| UNT12-02SOOW | 2 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 14,5                                          | 0,571  | 251                        | 169                         |
| UNT12-03SOOW | 3 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 15,3                                          | 0,602  | 311                        | 209                         |
| UNT12-04SOOW | 4 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 16,5                                          | 0,65   | 391                        | 263                         |
| UNT12-05SOOW | 5 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 17,9                                          | 0,705  | 459                        | 308                         |
| UNT12-06SOOW | 6 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 19,3                                          | 0,76   | 527                        | 354                         |
| UNT12-07SOOW | 7 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 19,3                                          | 0,76   | 577                        | 388                         |
| UNT12-08SOOW | 8 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 21,4                                          | 0,843  | 639                        | 429                         |
| UNT12-09SOOW | 9 x 12AWG                | 65 x 30                       | 0,045                        | 1,14 | 23,7                                          | 0,933  | 733                        | 493                         |
| UNT12-10SOOW | 10 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 24,6                                          | 0,969  | 809                        | 543                         |
| UNT12-12SOOW | 12 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 25,4                                          | 1      | 921                        | 619                         |
| UNT12-14SOOW | 14 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 26,6                                          | 1,047  | 1038                       | 698                         |
| UNT12-16SOOW | 16 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 28                                            | 1,102  | 1173                       | 788                         |
| UNT12-18SOOW | 18 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 29,4                                          | 1,157  | 1293                       | 869                         |
| UNT12-20SOOW | 20 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 31,8                                          | 1,252  | 1479                       | 994                         |
| UNT12-24SOOW | 24 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 34,9                                          | 1,374  | 1715                       | 1152                        |
| UNT12-26SOOW | 26 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 34,9                                          | 1,374  | 1816                       | 1220                        |
| UNT12-30SOOW | 30 x 12AWG               | 65 x 30                       | 0,045                        | 1,14 | 36,9                                          | 1,453  | 2050                       | 1378                        |
| UNT10-02SOOW | 2 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 15,8                                          | 0,622  | 311                        | 209                         |

| Part Number  | Number of Cores and Size | No of wire x Diameter of Wire | Nominal Insulation Thickness |      | Cable Diameter Approx. (Tolerance $\pm 5\%$ ) |        | Cable Weight Approx. kg/km | Cable Weight Approx. lbs/MF |
|--------------|--------------------------|-------------------------------|------------------------------|------|-----------------------------------------------|--------|----------------------------|-----------------------------|
|              |                          |                               | inches                       | mm   | mm                                            | inches |                            |                             |
|              | No. x..AWG               | No. x ..AWG                   |                              |      |                                               |        |                            |                             |
| UNT10-03SOOW | 3 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 16,7                                          | 0,657  | 394                        | 265                         |
| UNT10-04SOOW | 4 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 18,1                                          | 0,713  | 483                        | 325                         |
| UNT10-05SOOW | 5 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 19,6                                          | 0,772  | 592                        | 398                         |
| UNT10-06SOOW | 6 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 21,2                                          | 0,835  | 684                        | 460                         |
| UNT10-07SOOW | 7 x 10AWG                | 104 x 30                      | 0,045                        | 1,14 | 21,2                                          | 0,835  | 756                        | 508                         |
| UNT10-10SOOW | 10 x 10AWG               | 104 x 30                      | 0,045                        | 1,14 | 27,2                                          | 1,071  | 1062                       | 714                         |
| UNT10-12SOOW | 12 x 10AWG               | 104 x 30                      | 0,045                        | 1,14 | 28,1                                          | 1,106  | 1220                       | 820                         |
| UNT10-16SOOW | 16 x 10AWG               | 104 x 30                      | 0,045                        | 1,14 | 31,2                                          | 1,228  | 1584                       | 1065                        |
| UNT10-20SOOW | 20 x 10AWG               | 104 x 30                      | 0,045                        | 1,14 | 35,2                                          | 1,386  | 1971                       | 1325                        |
| UNT08-02SOOW | 2 x 8AWG                 | 133 x 29                      | 0,06                         | 1,52 | 20,6                                          | 0,811  | 540                        | 363                         |
| UNT08-03SOOW | 3 x 8AWG                 | 133 x 29                      | 0,06                         | 1,52 | 21,8                                          | 0,858  | 660                        | 444                         |
| UNT08-04SOOW | 4 x 8AWG                 | 133 x 29                      | 0,06                         | 1,52 | 24,6                                          | 0,968  | 860                        | 578                         |
| UNT08-05SOOW | 5 x 8AWG                 | 133 x 29                      | 0,06                         | 1,52 | 26,8                                          | 1,055  | 1080                       | 726                         |
| UNT06-02SOOW | 2 x 6AWG                 | 133 x 27                      | 0,06                         | 1,52 | 23,8                                          | 0,937  | 770                        | 518                         |
| UNT06-03SOOW | 3 x 6AWG                 | 133 x 27                      | 0,06                         | 1,52 | 25,2                                          | 0,992  | 960                        | 645                         |
| UNT06-04SOOW | 4 x 6AWG                 | 133 x 27                      | 0,06                         | 1,52 | 28,3                                          | 1,114  | 1250                       | 840                         |
| UNT06-05SOOW | 5 x 6AWG                 | 133 x 27                      | 0,06                         | 1,52 | 31                                            | 1,22   | 1570                       | 1055                        |
| UNT04-02SOOW | 2 x 4AWG                 | 133 x 25                      | 0,06                         | 1,52 | 27,5                                          | 1,083  | 1060                       | 712                         |
| UNT04-03SOOW | 3 x 4AWG                 | 133 x 25                      | 0,06                         | 1,52 | 29,1                                          | 1,146  | 1330                       | 894                         |
| UNT04-04SOOW | 4 x 4AWG                 | 133 x 25                      | 0,06                         | 1,52 | 32,5                                          | 1,28   | 1730                       | 1162                        |
| UNT04-05SOOW | 5 x 4AWG                 | 133 x 25                      | 0,06                         | 1,52 | 35,5                                          | 1,398  | 2175                       | 1462                        |