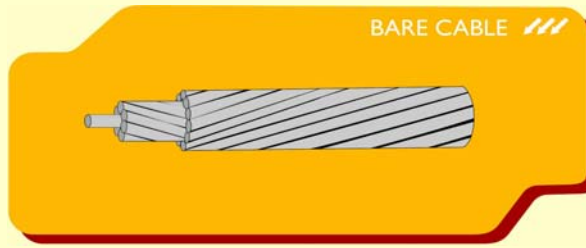


**AAC**

**All Aluminium Stranded Conductors (Class A & Class AA)**



**BARE CONDUCTOR**

**TECHNICAL DATA**

SPEC  
STD

Specification : ASTM , B - 231

° C

- Ambient temperature : 35 ° C

APL

Used for overhead power transmission purpose, medium tension. overhead system and distribution network

∅

- Wind velocity : 0.6 m/sec

∞

- Continuous operating of conductor : 80

**DIMENSIONAL , MECHANICAL & ELECTRICAL DATA**

| CODE NAME | AREA       | Number of Core & Dia.Wire | Area Actual | Overall Diameter approx. | Weight      | Min. Calculated Breaking Load | Max. dc Resistance at. 20°C | Current Carrying Capacity* | Std. Length per reel |
|-----------|------------|---------------------------|-------------|--------------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------|
|           | AWG        |                           |             |                          |             |                               |                             |                            |                      |
|           | AWG OR MCM | n / ( mm )                | ( mm )      | ( mm )                   | ( kg / km ) | ( kn )                        | ( Ohm/km )                  | ( A )                      | ( M+/-5% )           |
| PEACHBELL | 6          | 7/1.554                   | 13.30       | 4.67                     | 37          | 2.49                          | 2.1692                      | 90                         | 3.500                |
|           | 4          | 7/1.961                   |             | 5.89                     | 58          | 3.96                          | 1.3624                      | 120                        | 3.000                |
| ROSE      | 2          | 7/2.474                   |             | 7.42                     | 93          | 5.97                          | 0.8577                      | 160                        | 2.500                |
|           | 1          | 7/2.776                   |             | 8.33                     | 117         | 7.32                          | 0.6801                      | 185                        |                      |
|           | 1/0        | 7/3.119                   |             | 9.36                     | 147         | 8.73                          | 0.5390                      | 215                        | 2.000                |
|           | 2/0        | 7/3.503                   |             | 10.51                    | 186         | 11.00                         | 0.4276                      | 250                        | 3.500                |
|           | 3/0        | 7/3.932                   |             | 11.80                    | 234         | 13.47                         | 0.3390                      | 290                        | 3.000                |
|           | 4/0        | 7/4.417                   |             | 13.26                    | 296         | 16.98                         | 0.2688                      | 335                        | 2.000                |
|           | 250        | 19/2.913                  |             | 14.57                    | 349         | 20.62                         | 0.2275                      | 370                        |                      |
|           |            | 7/4.80                    |             | 14.40                    |             | 20.07                         |                             |                            |                      |
|           | 266.8      | 19/3.01                   |             | 15.05                    | 373         | 22.00                         | 0.2133                      | 390                        |                      |
|           |            | 7/4.96                    |             | 14.90                    |             | 21.41                         |                             | 385                        |                      |
| 300       | 19/3.193   | 15.97                     | 419         | 24.03                    | 0.1896      | 420                           | 3.000                       |                            |                      |
| 336.4     | 19/3.381   | 16.91                     | 470         | 26.95                    | 0.1691      | 450                           |                             |                            |                      |
| 350       | 19/3.447   | 17.24                     | 489         | 28.04                    | 0.1625      | 460                           |                             |                            |                      |
| 397.5     | 19/3.673   | 18.36                     | 555         | 31.84                    | 0.1431      | 500                           | 2.500                       |                            |                      |
| 450       | 19/3.909   | 19.55                     | 629         | 34.99                    | 0.1264      | 540                           | 2.000                       |                            |                      |
|           | 477        | 37/2.882                  | 20.19       | 666                      | 38.49       | 0.1193                        | 560                         | 2.500                      |                      |
| 19/4.023  |            | 20.12                     | 37.08       |                          | 2.000       |                               |                             |                            |                      |
| 500       | 37/2.951   | 20.65                     | 698         | 40.35                    | 0.1138      | 575                           | 2.500                       |                            |                      |