



## ACSR Aluminum Conductor Steel Reinforced

### CABLE STRUCTURE:

Steel core and Aluminium strand

### CODE DESIGNATION:

ACSR

### STANDARD:

ASTM B232 EN 51082 IEC 61089

### APPLICATION:

Aluminum conductor steel reinforced is mainly used in some power industry and transmission lines (high-voltage lines) of the industry, its structure is the use of a single layer of aluminum wire through a number of special processes to be precessed. if the length of the route is very limited, and there's no way to separate a lot of routes, then we can use this product, and can play a line to act as a means of many lines

### CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for our product categories. Additionally, we possess other authoritative certifications recognized in various countries and regions. For further details on our certification portfolio, please do not hesitate to contact us.





## ACSR Aluminum Conductor Steel Reinforced

### Specifications

| ASTM B232 |                          |                 |                 |                 |                                |         |                               |        |       |       |                             |                                   |                    |
|-----------|--------------------------|-----------------|-----------------|-----------------|--------------------------------|---------|-------------------------------|--------|-------|-------|-----------------------------|-----------------------------------|--------------------|
| Code Name | Nominal<br>AWG or<br>MCM | Total Area      |                 |                 | Stranding and<br>Wire Diameter |         | Approx<br>Overall<br>Diameter | Weight |       |       | Nominal<br>Breaking<br>Load | Max.D.C.<br>Resistance<br>at 20°C | Standard<br>Length |
|           |                          | Al.             | St.             | Total           | Al.                            | St.     |                               | Al.    | St.   | Total |                             |                                   |                    |
|           |                          | mm <sup>2</sup> | mm <sup>2</sup> | mm <sup>2</sup> | mm                             | mm      |                               | mm     | kg/km | kg/km |                             |                                   |                    |
| Turkey    | 6                        | 13.29           | 2.19            | 15.48           | 6/1.68                         | 1/1.68  | 5.04                          | 37     | 17    | 54    | 5.24                        | 2.1586                            | 3000               |
| Swan      | 4                        | 21.16           | 3.55            | 24.71           | 3/2.12                         | 1/2.12  | 6.36                          | 58     | 27    | 85    | 8.32                        | 1.3557                            | 3000               |
| Swanate   | 4                        | 21.16           | 5.35            | 26.51           | 7/1.96                         | 1/2.61  | 6.53                          | 58     | 42    | 100   | 10.53                       | 1.3557                            | 3000               |
| Sparrow   | 2                        | 33.61           | 5.61            | 39.22           | 6/2.67                         | 1/2.67  | 8.01                          | 92     | 44    | 136   | 12.7                        | 0.8535                            | 3000               |
| Sparate   | 2                        | 33.61           | 8.52            | 42.13           | 7/2.47                         | 1/3.30  | 8.24                          | 92     | 67    | 159   | 16.11                       | 0.8535                            | 2500               |
| Robin     | 1                        | 42.39           | 7.1             | 49.49           | 6/3.00                         | 1/3.00  | 9.00                          | 116    | 55    | 171   | 15.85                       | 0.6767                            | 2500               |
| Raven     | 1/00                     | 53.48           | 8.9             | 62.38           | 6/3.37                         | 1/3.37  | 10.11                         | 147    | 69    | 216   | 19.32                       | 0.5364                            | 2000               |
| Quail     | 2/00                     | 67.42           | 11.23           | 78.65           | 6/3.78                         | 1/3.78  | 11.34                         | 185    | 88    | 273   | 23.62                       | 0.4255                            | 3000               |
| Pigeon    | 3/00                     | 85.03           | 14.19           | 99.22           | 6/4.25                         | 1/4.25  | 12.75                         | 233    | 110   | 343   | 29.41                       | 0.3373                            | 2500               |
| Penguin   | 4/00                     | 107.23          | 17.87           | 125.1           | 6/4.77                         | 1/4.77  | 14.31                         | 294    | 139   | 433   | 37.06                       | 0.2675                            | 2000               |
| Waxwing   | 266.8                    | 135.16          | 7.48            | 142.64          | 18/3.09                        | 1/3.09  | 15.45                         | 373    | 58    | 431   | 30.27                       | 0.2133                            | 3500               |
| Partridge | 266.8                    | 135.16          | 22              | 157.16          | 26/2.57                        | 7/2.00  | 16.28                         | 374    | 172   | 546   | 50.29                       | 0.2143                            | 2500               |
| Ostrich   | 300                      | 152             | 24.71           | 176.71          | 26/2.73                        | 7/2.12  | 17.28                         | 421    | 193   | 614   | 56.52                       | 0.1906                            | 3000               |
| Merlin    | 336.4                    | 170.45          | 9.48            | 179.93          | 18/3.47                        | 1/3.47  | 17.50                         | 470    | 74    | 544   | 38.23                       | 0.1691                            | 2000               |
| Linnet    | 336.4                    | 170.45          | 27.81           | 198.23          | 26/2.89                        | 7/2.25  | 18.31                         | 472    | 217   | 689   | 62.71                       | 0.1699                            | 2500               |
| Oriole    | 336.4                    | 170.45          | 39.81           | 210.26          | 30/2.69                        | 7/2.69  | 18.83                         | 473    | 311   | 784   | 77.27                       | 0.1704                            | 3000               |
| Chickadee | 397.5                    | 201.42          | 11.16           | 212.58          | 18/3.77                        | 1/3.77  | 18.85                         | 555    | 87    | 642   | 43.99                       | 0.1431                            | 2500               |
| Brant     | 397.5                    | 201.42          | 26.13           | 227.55          | 24/3.27                        | 7/2.18  | 19.61                         | 558    | 204   | 762   | 64.69                       | 0.1438                            | 2000               |
| Ibis      | 397.5                    | 201.42          | 32.77           | 234.19          | 26/3.14                        | 7/2.44  | 19.88                         | 558    | 256   | 814   | 72.11                       | 0.1438                            | 2500               |
| Lark      | 397.5                    | 201.42          | 46.97           | 248.39          | 30/2.92                        | 7/2.92  | 20.44                         | 560    | 367   | 927   | 88.69                       | 0.1442                            | 2500               |
| Pelican   | 477                      | 241.68          | 13.42           | 255.1           | 18/4.14                        | 1/4.14  | 20.70                         | 666    | 105   | 771   | 52.16                       | 0.1193                            | 2000               |
| Flicker   | 477                      | 241.68          | 31.29           | 272.97          | 24/3.58                        | 7/2.39  | 21.49                         | 670    | 245   | 915   | 76.66                       | 0.1199                            | 3000               |
| Hawk      | 477                      | 241.68          | 39.42           | 281.1           | 26/3.44                        | 7/2.67  | 21.79                         | 670    | 308   | 978   | 86.65                       | 0.1199                            | 2000               |
| Hen       | 477                      | 241.68          | 56.39           | 298.07          | 30/3.20                        | 7/3.20  | 22.40                         | 671    | 441   | 1112  | 105.34                      | 0.1201                            | 2000               |
| Osprey    | 556.5                    | 282             | 15.68           | 297.68          | 18/4.47                        | 1/4.47  | 22.35                         | 777    | 122   | 899   | 60.88                       | 0.1022                            | 2000               |
| Parakeet  | 556.5                    | 282             | 36.58           | 318.58          | 24/3.87                        | 7/2.58  | 23.22                         | 781    | 286   | 1067  | 88.22                       | 0.1027                            | 3000               |
| Dove      | 556.5                    | 282             | 45.94           | 327.94          | 26/3.72                        | 7/2.89  | 23.55                         | 781    | 359   | 1140  | 101.03                      | 0.1027                            | 3000               |
| Eagle     | 556.5                    | 282             | 65.81           | 347.81          | 30/3.46                        | 7/3.46  | 24.21                         | 783    | 515   | 1298  | 122.92                      | 0.1030                            | 3500               |
| Peacock   | 605                      | 306.58          | 39.74           | 346.32          | 24/4.03                        | 7/2.69  | 24.20                         | 849    | 311   | 1160  | 95.88                       | 0.0945                            | 3000               |
| Squab     | 605                      | 306.58          | 49.94           | 356.52          | 26/3.87                        | 7/3.01  | 24.51                         | 850    | 390   | 1240  | 108.14                      | 0.0945                            | 3000               |
| Wood Duck | 605                      | 306.58          | 71.55           | 378.13          | 30/3.61                        | 7/3.61  | 25.25                         | 851    | 560   | 1411  | 128.84                      | 0.0947                            | 3000               |
| Teal      | 605                      | 306.58          | 69.87           | 376.45          | 30/3.61                        | 19/2.16 | 25.24                         | 851    | 548   | 1399  | 133.59                      | 0.0947                            | 2000               |
| Kingbird  | 636                      | 322.26          | 17.9            | 340.16          | 18/4.78                        | 1/4.78  | 23.88                         | 889    | 139   | 1028  | 69.55                       | 0.08945                           | 2000               |
| Rook      | 636                      | 322.26          | 41.81           | 364.07          | 24/4.14                        | 7/2.76  | 24.84                         | 893    | 326   | 1219  | 100.83                      | 0.08989                           | 2500               |
| Grosbeak  | 636                      | 322.26          | 52.45           | 374.71          | 26/3.97                        | 7/3.09  | 25.15                         | 893    | 409   | 1302  | 111.8                       | 0.08989                           | 3000               |
| Scoter    | 636                      | 322.26          | 75.22           | 397.48          | 30/3.70                        | 7/3.70  | 25.88                         | 895    | 589   | 1484  | 135.44                      | 0.09011                           | 3000               |
| Egret     | 636                      | 322.26          | 73.55           | 395.81          | 30/3.70                        | 19/2.22 | 25.90                         | 894    | 576   | 1470  | 140.3                       | 0.09011                           | 3000               |
| Swift     | 636                      | 322.26          | 8.96            | 331.22          | 36/3.38                        | 1/3.38  | 23.62                         | 888    | 70    | 958   | 60.52                       | 0.08945                           | 2000               |
| Flamingo  | 666.6                    | 337.34          | 43.81           | 381.55          | 24/4.23                        | 7/2.82  | 25.40                         | 936    | 342   | 1278  | 105.66                      | 0.08577                           | 2500               |
| Gannet    | 666.6                    | 337.34          | 55.03           | 392.77          | 26/4.07                        | 7/3.16  | 25.76                         | 936    | 429   | 1365  | 117.33                      | 0.08577                           | 2500               |
| Stilt     | 715.5                    | 362.58          | 46.97           | 409.55          | 24/4.39                        | 7/2.92  | 26.31                         | 1005   | 367   | 1372  | 113.35                      | 0.07989                           | 2000               |
| Starling  | 715.5                    | 362.58          | 59.03           | 421.61          | 26/4.21                        | 7/3.28  | 26.68                         | 1005   | 461   | 1466  | 125.91                      | 0.07989                           | 2500               |



## ACSR Aluminum Conductor Steel Reinforced

### Specifications

#### ASTM B232

| Code Name | Nominal<br>AWG or<br>MCM | Total Area      |                 |                 | Stranding and<br>Wire Diameter |         | Approx<br>Overall<br>Diameter | Weight |       |       | Nominal<br>Breaking<br>Load | Max.D.C.<br>Resistance<br>at 20°C | Standard<br>Length |
|-----------|--------------------------|-----------------|-----------------|-----------------|--------------------------------|---------|-------------------------------|--------|-------|-------|-----------------------------|-----------------------------------|--------------------|
|           |                          | Al.             | St.             | Total           | Al.                            | St.     |                               | Al.    | St.   | Total |                             |                                   |                    |
|           |                          | mm <sup>2</sup> | mm <sup>2</sup> | mm <sup>2</sup> | mm                             | mm      | mm                            | kg/km  | kg/km | kg/km | kN                          | Ω/km                              | m ± 5 %            |
| Redwing   | 715.5                    | 362.58          | 82.58           | 445.16          | 30/3.92                        | 19/2.35 | 27.43                         | 1006   | 647   | 1653  | 153.94                      | 0.08009                           | 2000               |
| Tern      | 795                      | 402.84          | 27.87           | 430.71          | 45/3.38                        | 7/2.25  | 27.03                         | 1116   | 217   | 1333  | 97.37                       | 0.07191                           | 2500               |
| Condor    | 795                      | 402.84          | 52.19           | 455.03          | 54/3.08                        | 7/3.08  | 27.72                         | 1116   | 408   | 1524  | 124.45                      | 0.07191                           | 3000               |
| Cuckoo    | 795                      | 402.84          | 52.19           | 455.03          | 24/4.62                        | 7/3.08  | 27.74                         | 1116   | 408   | 1524  | 123.94                      | 0.07191                           | 2000               |
| Drake     | 795                      | 402.84          | 65.61           | 468.35          | 26/4.44                        | 7/3.45  | 28.11                         | 1116   | 512   | 1628  | 139.92                      | 0.07191                           | 2000               |
| Coot      | 795                      | 402.84          | 11.16           | 414             | 36/3.77                        | 1/3.77  | 26.41                         | 1110   | 88    | 1198  | 74.34                       | 0.07156                           | 3000               |
| Mallard   | 795                      | 402.84          | 91.87           | 494.71          | 30/4.14                        | 19/2.48 | 28.96                         | 1119   | 719   | 1838  | 171.18                      | 0.07208                           | 2500               |
| Ruddy     | 900                      | 456.06          | 34.54           | 487.6           | 45/3.59                        | 7/2.40  | 28.73                         | 1263   | 247   | 1510  | 108.96                      | 0.06351                           | 2000               |
| Canary    | 900                      | 456.06          | 59.1            | 515.16          | 54/3.28                        | 7/3.28  | 29.52                         | 1263   | 461   | 1724  | 140.95                      | 0.06351                           | 2000               |
| Rail      | 954                      | 483.42          | 33.42           | 816.84          | 45/3.70                        | 7/2.47  | 29.61                         | 1339   | 262   | 1601  | 115.63                      | 0.05992                           | 2000               |
| Catbird   | 954                      | 483.42          | 13.42           | 496.84          | 36/4.14                        | 1/4.14  | 28.95                         | 1333   | 105   | 1438  | 87.66                       | 0.05962                           | 2500               |
| Cardinal  | 954                      | 483.42          | 62.65           | 546.07          | 54/3.38                        | 7/3.38  | 30.42                         | 1339   | 490   | 1829  | 149.36                      | 0.05992                           | 2500               |
| Ortlan    | 1033.5                   | 523.68          | 36.19           | 559.87          | 45/3.85                        | 7/2.57  | 30.81                         | 1451   | 283   | 1734  | 123.1                       | 0.05531                           | 2000               |
| Tanger    | 1033.5                   | 523.68          | 14.51           | 538.2           | 36/4.30                        | 1/4.30  | 30.12                         | 1443   | 113   | 1556  | 94.93                       | 0.05504                           | 2000               |
| Curlew    | 1033.5                   | 523.68          | 67.87           | 91.55           | 54/3.52                        | 7/3.52  | 31.68                         | 1451   | 530   | 1981  | 161.8                       | 0.05531                           | 2000               |
| Bluejay   | 1113                     | 563.93          | 39.03           | 602.96          | 45/4.00                        | 7/2.66  | 31.98                         | 1563   | 385   | 1868  | 132.63                      | 0.05136                           | 2500               |
| Finch     | 1113                     | 563.93          | 71.55           | 635.48          | 54/3.65                        | 19/2.19 | 32.85                         | 1570   | 580   | 2130  | 174.41                      | 0.05161                           | 2000               |
| Bunting   | 1192.5                   | 604.26          | 41.55           | 645.81          | 45/4.14                        | 7/2.76  | 33.12                         | 1674   | 327   | 2001  | 141.79                      | 0.04793                           | 2500               |
| Grackle   | 1192.5                   | 604.26          | 76.58           | 680.84          | 54/3.77                        | 19/2.27 | 33.97                         | 1682   | 600   | 2282  | 186.38                      | 0.04817                           | 2000               |
| Bittern   | 1272                     | 644.51          | 44.52           | 689.03          | 45/4.27                        | 7/2.85  | 34.17                         | 1785   | 349   | 2134  | 151.48                      | 0.04494                           | 2500               |
| Pheasant  | 1272                     | 644.51          | 81.68           | 726.19          | 54/3.90                        | 19/2.34 | 35.1                          | 1795   | 638   | 2433  | 194                         | 0.04516                           | 2000               |
| Skylark   | 1272                     | 644.51          | 17.87           | 662.38          | 36/4.78                        | 1/4.78  | 33.42                         | 1777   | 140   | 1917  | 115.85                      | 0.04472                           | 2000               |
| Dipper    | 1351.5                   | 684.84          | 47.1            | 731.94          | 45/4.40                        | 7/2.92  | 35.16                         | 1898   | 368   | 2266  | 160.7                       | 0.04230                           | 2000               |
| Martin    | 1351.5                   | 684.84          | 86.71           | 771.55          | 54/4.02                        | 19/2.41 | 36.17                         | 1906   | 679   | 2585  | 206.05                      | 0.04250                           | 2000               |
| Bobolink  | 1431                     | 725.1           | 50.32           | 775.42          | 45/4.53                        | 7/3.02  | 36.24                         | 2009   | 393   | 2402  | 170.71                      | 0.03994                           | 2000               |
| Plover    | 1431                     | 725.1           | 91.87           | 816.97          | 54/4.14                        | 19/2.48 | 37.24                         | 2019   | 719   | 2738  | 218.24                      | 0.04013                           | 2500               |
| Nuthatch  | 1510.5                   | 765.35          | 52.9            | 818.25          | 45/4.65                        | 7/3.10  | 37.2                          | 2120   | 414   | 2534  | 177.89                      | 0.03784                           | 2000               |
| Parrot    | 1510.5                   | 765.35          | 86.84           | 862.19          | 54/4.25                        | 19/2.55 | 38.25                         | 2131   | 759   | 2890  | 230.2                       | 0.03802                           | 2000               |
| Lapwing   | 1590                     | 805.68          | 55.48           | 861.16          | 45/4.77                        | 7/3.18  | 38.16                         | 2232   | 435   | 2667  | 187.02                      | 0.03595                           | 2000               |
| Falcon    | 1590                     | 805.68          | 102.13          | 907.81          | 54/4.36                        | 19/2.62 | 39.26                         | 2243   | 799   | 3042  | 242.55                      | 0.03613                           | 2000               |



## ACSR Aluminum Conductor Steel Reinforced

### Specifications

#### EN 51082

| Code Name | Area                   |                        |                          | Stranding and Wire Diameter |           | Approx Overall Diameter | Mass per unit length | Rated strength | Max DC Resistance at 20°C |
|-----------|------------------------|------------------------|--------------------------|-----------------------------|-----------|-------------------------|----------------------|----------------|---------------------------|
|           | Al.<br>mm <sup>2</sup> | St.<br>mm <sup>2</sup> | Total<br>mm <sup>2</sup> | Al.<br>mm                   | St.<br>mm |                         |                      |                |                           |
| Mole      | 10.6                   | 1.77                   | 12.4                     | 6/1.50                      | 1/1.50    | 4.50                    | 42.8                 | 4.14           | 2.7027                    |
| Squirrel  | 21.0                   | 3.50                   | 24.5                     | 6/2.11                      | 1/2.11    | 6.33                    | 84.7                 | 7.87           | 1.3659                    |
| Gopher    | 26.2                   | 4.37                   | 30.6                     | 6/2.36                      | 1/2.36    | 7.08                    | 106.0                | 9.58           | 1.0919                    |
| Weasel    | 31.6                   | 5.27                   | 36.9                     | 6/2.59                      | 1/2.59    | 7.77                    | 127.6                | 11.38          | 0.9065                    |
| Fox       | 36.7                   | 6.11                   | 42.8                     | 6/2.79                      | 1/2.79    | 8.37                    | 148.1                | 13.21          | 0.7812                    |
| Ferrett   | 42.4                   | 7.07                   | 49.5                     | 6/3.00                      | 1/3.00    | 9.00                    | 171.2                | 15.27          | 0.6757                    |
| Rabbit    | 52.9                   | 8.81                   | 61.7                     | 6/3.35                      | 1/3.35    | 10.1                    | 213.5                | 18.42          | 0.5419                    |
| Mink      | 63.1                   | 10.50                  | 73.6                     | 6/3.66                      | 1/3.66    | 11.0                    | 254.9                | 21.67          | 0.4540                    |
| Skunk     | 63.2                   | 36.90                  | 100.1                    | 12/2.59                     | 7/2.59    | 13.0                    | 463.0                | 52.79          | 0.4568                    |
| Beaver    | 75.0                   | 12.50                  | 87.5                     | 6/3.99                      | 1/3.99    | 12.0                    | 302.9                | 25.76          | 0.3820                    |
| Horse     | 73.4                   | 42.80                  | 116.2                    | 12/2.79                     | 7/2.79    | 14.0                    | 537.3                | 61.26          | 0.3936                    |
| Racoon    | 78.8                   | 13.10                  | 92.0                     | 6/4.09                      | 1/4.09    | 12.3                    | 318.3                | 27.06          | 0.3635                    |
| Otter     | 83.9                   | 14.00                  | 97.9                     | 6/4.22                      | 1/4.22    | 12.7                    | 338.8                | 28.81          | 0.3415                    |
| Cat       | 95.4                   | 15.90                  | 111.3                    | 6/4.50                      | 1/4.50    | 13.5                    | 385.3                | 32.76          | 0.3003                    |
| Hare      | 105.0                  | 17.50                  | 122.5                    | 6/4.72                      | 1/4.72    | 14.2                    | 423.8                | 36.04          | 0.2730                    |
| Dog       | 105.0                  | 13.60                  | 118.5                    | 6/4.72                      | 7/1.57    | 14.2                    | 394.0                | 32.65          | 0.2733                    |
| Coyote    | 131.7                  | 20.10                  | 151.8                    | 26/2.54                     | 7/1.91    | 15.9                    | 520.7                | 45.86          | 0.2192                    |
| Cougar    | 131.5                  | 7.31                   | 138.8                    | 18/3.05                     | 1/3.05    | 15.3                    | 418.8                | 29.74          | 0.2188                    |
| Tiger     | 131.2                  | 30.60                  | 161.9                    | 30/2.36                     | 7/2.36    | 16.5                    | 602.2                | 57.87          | 0.2202                    |
| Wolf      | 158.1                  | 36.90                  | 194.9                    | 30/2.59                     | 7/2.59    | 18.1                    | 725.3                | 68.91          | 0.1829                    |
| Dingo     | 158.7                  | 8.81                   | 167.5                    | 18/3.35                     | 1/3.35    | 16.8                    | 505.2                | 35.87          | 0.1814                    |
| Lynx      | 183.4                  | 42.80                  | 226.2                    | 30/2.79                     | 7/2.79    | 19.5                    | 841.6                | 79.97          | 0.1576                    |
| Caracal   | 184.2                  | 10.20                  | 194.5                    | 18/3.61                     | 1/3.61    | 18.1                    | 586.7                | 40.74          | 0.1562                    |
| Panther   | 212.1                  | 49.50                  | 261.5                    | 30/3.00                     | 7/3.00    | 21.0                    | 973.1                | 92.46          | 0.1363                    |
| Lion      | 210.6                  | 11.70                  | 222.3                    | 18/3.86                     | 1/3.86    | 19.3                    | 670.8                | 46.57          | 0.1366                    |
| Bear      | 238.3                  | 55.60                  | 293.9                    | 30/3.18                     | 7/3.18    | 22.3                    | 1093.4               | 100.47         | 0.1213                    |
| Goat      | 264.4                  | 61.70                  | 326.1                    | 30/3.35                     | 7/3.35    | 23.5                    | 1213.4               | 111.50         | 0.1093                    |
| Sheep     | 324.3                  | 75.70                  | 400.0                    | 30/3.71                     | 7/3.71    | 26.0                    | 1488.2               | 135.13         | 0.0891                    |
| Antelope  | 375.1                  | 87.50                  | 462.6                    | 30/3.99                     | 7/3.99    | 27.9                    | 1721.3               | 156.30         | 0.0771                    |
| Bison     | 374.1                  | 48.50                  | 422.6                    | 54/2.97                     | 7/2.97    | 26.7                    | 1413.8               | 118.88         | 0.0773                    |
| Jaguar    | 381.7                  | 49.50                  | 431.2                    | 54/3.00                     | 7/3.00    | 27.0                    | 1442.5               | 121.30         | 0.0758                    |
| Deer      | 429.6                  | 100.20                 | 529.8                    | 30/4.27                     | 7/4.27    | 29.9                    | 1971.4               | 179.00         | 0.0673                    |
| Zebra     | 428.9                  | 55.60                  | 484.5                    | 54/3.18                     | 7/3.18    | 28.6                    | 1620.8               | 131.92         | 0.0674                    |
| Elk       | 477.1                  | 111.30                 | 588.5                    | 30/4.50                     | 7/4.50    | 31.5                    | 2189.5               | 198.80         | 0.0606                    |
| Camel     | 476.0                  | 61.70                  | 537.7                    | 54/3.35                     | 7/3.35    | 30.2                    | 1798.8               | 146.40         | 0.0608                    |
| Moose     | 528.5                  | 68.50                  | 597.0                    | 54/3.53                     | 7/3.53    | 31.8                    | 1997.3               | 159.92         | 0.0547                    |



## ACSR Aluminum Conductor Steel Reinforced

### Specifications

#### IEC61089

| Code Number | Area            |                 |                 | Stranding and Wire Diameter |         | Diameter |       | Linear Mass | Rated strength | Max DC Resistance at 20°C |
|-------------|-----------------|-----------------|-----------------|-----------------------------|---------|----------|-------|-------------|----------------|---------------------------|
|             | Al.             | St.             | Total           | Al.                         | St.     | Core     | Cond. |             |                |                           |
|             | mm <sup>2</sup> | mm <sup>2</sup> | mm <sup>2</sup> | mm                          | mm      | mm       | mm    | kg/km       | kN             | Ω/km                      |
| 16          | 16              | 2.67            | 18.7            | 6/1.84                      | 1/1.84  | 1.84     | 5.53  | 64.6        | 6.08           | 1.7934                    |
| 25          | 25              | 4.17            | 29.2            | 6/2.30                      | 1/2.30  | 2.3      | 6.91  | 100.9       | 9.13           | 1.1478                    |
| 40          | 40              | 6.67            | 46.7            | 6/2.91                      | 1/2.91  | 2.91     | 8.74  | 161.5       | 14.4           | 0.7174                    |
| 63          | 63              | 10.5            | 73.5            | 6/3.66                      | 1/3.66  | 3.66     | 11.0  | 254.4       | 21.63          | 0.4555                    |
| 100         | 100             | 16.7            | 117             | 6/4.61                      | 1/4.61  | 4.61     | 13.8  | 403.8       | 34.33          | 0.2869                    |
| 125         | 125             | 6.94            | 132             | 18/2.97                     | 1/2.97  | 2.97     | 14.9  | 397.9       | 29.17          | 0.2304                    |
| 125         | 125             | 20.4            | 145             | 26/2.47                     | 7/1.92  | 5.77     | 15.7  | 503.9       | 45.69          | 0.2310                    |
| 160         | 160             | 8.89            | 169             | 18/3.36                     | 1/3.36  | 3.36     | 16.8  | 509.3       | 36.18          | 0.1800                    |
| 160         | 160             | 26.1            | 186             | 26/2.80                     | 7/2.18  | 6.53     | 17.7  | 644.9       | 57.69          | 0.1805                    |
| 200         | 200             | 11.1            | 211             | 18/3.76                     | 1/3.76  | 3.76     | 18.8  | 636.7       | 44.22          | 0.1440                    |
| 200         | 200             | 32.6            | 233             | 26/3.13                     | 7/2.43  | 7.3      | 19.8  | 806.2       | 70.13          | 0.1444                    |
| 250         | 250             | 24.6            | 275             | 22/3.80                     | 7/2.11  | 6.34     | 21.6  | 880.6       | 68.72          | 0.1154                    |
| 250         | 250             | 40.7            | 291             | 26/3.50                     | 7/2.72  | 8.16     | 22.2  | 1007.7      | 87.67          | 0.1155                    |
| 315         | 315             | 21.8            | 37              | 45/2.99                     | 7/1.99  | 5.97     | 23.9  | 1039.3      | 79.03          | 0.0917                    |
| 315         | 315             | 51.3            | 366             | 26/3.93                     | 7/3.05  | 9.16     | 24.9  | 1269.7      | 106.83         | 0.0917                    |
| 400         | 400             | 27.7            | 428             | 45/3.36                     | 7/2.24  | 6.73     | 26.9  | 1320.1      | 98.36          | 0.0722                    |
| 400         | 400             | 51.9            | 452             | 54/3.07                     | 7/3.07  | 9.21     | 27.6  | 1510.3      | 123.04         | 0.0723                    |
| 450         | 450             | 31.1            | 481             | 45/3.57                     | 7/2.38  | 7.14     | 28.5  | 1485.2      | 107.47         | 0.0642                    |
| 450         | 450             | 58.3            | 508             | 54/3.26                     | 7/3.26  | 9.77     | 29.3  | 1699.1      | 138.42         | 0.0643                    |
| 500         | 500             | 34.6            | 535             | 45/3.76                     | 7/2.51  | 7.52     | 30.1  | 1652.2      | 199.41         | 0.0578                    |
| 500         | 500             | 64.8            | 565             | 54/3.43                     | 7/3.43  | 10.3     | 30.9  | 1887.9      | 153.8          | 0.0578                    |
| 560         | 560             | 38.7            | 599             | 45/3.98                     | 7/2.65  | 7.96     | 31.8  | 1848.2      | 133.74         | 0.0516                    |
| 560         | 560             | 70.9            | 631             | 54/3.63                     | 19/2.18 | 10.9     | 32.7  | 2103.4      | 172.59         | 0.0516                    |
| 630         | 630             | 43.6            | 674             | 45/4.22                     | 7/2.81  | 8.44     | 33.8  | 2079.2      | 150.45         | 0.0459                    |
| 630         | 630             | 79.8            | 710             | 54/3.85                     | 19/2.31 | 11.6     | 34.7  | 2366.3      | 191.77         | 0.0459                    |
| 710         | 710             | 49.1            | 759             | 45/4.48                     | 7/2.99  | 8.96     | 35.9  | 2343.2      | 169.56         | 0.0407                    |
| 710         | 710             | 89.9            | 800             | 54/4.09                     | 19/2.45 | 12.3     | 36.8  | 2666.8      | 216.12         | 0.0407                    |
| 800         | 800             | 34.6            | 835             | 72/3.76                     | 7/2.51  | 7.52     | 37.6  | 2480.2      | 167.41         | 0.0361                    |
| 800         | 800             | 66.7            | 867             | 84/3.48                     | 7/3.48  | 10.4     | 38.3  | 2732.7      | 205.33         | 0.0362                    |
| 800         | 800             | 101             | 901             | 54/4.44                     | 19/2.61 | 13       | 39.1  | 3004.9      | 243.52         | 0.0362                    |
| 900         | 900             | 38.9            | 939             | 72/3.99                     | 7/2.66  | 7.98     | 39.9  | 2790.2      | 188.33         | 0.0321                    |
| 900         | 900             | 75              | 975             | 84/3.69                     | 7/3.69  | 11.1     | 40.6  | 3074.2      | 226.5          | 0.0322                    |
| 1000        | 1000            | 43.2            | 1043            | 72/4.21                     | 7/2.80  | 8.41     | 42.1  | 3100.3      | 209.26         | 0.0289                    |
| 1120        | 1120            | 47.3            | 1167            | 72/4.45                     | 19/1.78 | 8.9      | 44.5  | 3464.9      | 234.53         | 0.0258                    |
| 1120        | 1120            | 91.2            | 1211            | 84/4.12                     | 19/2.47 | 12.4     | 45.3  | 3811.5      | 283.17         | 0.0258                    |
| 1250        | 1250            | 102             | 1352            | 84/4.35                     | 19/2.61 | 13.1     | 47.9  | 4253.9      | 316.04         | 0.0232                    |
| 1250        | 1250            | 52.8            | 1303            | 72/4.70                     | 19/1.88 | 9.4      | 47.0  | 3867.1      | 261.75         | 0.0231                    |