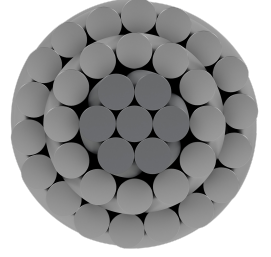
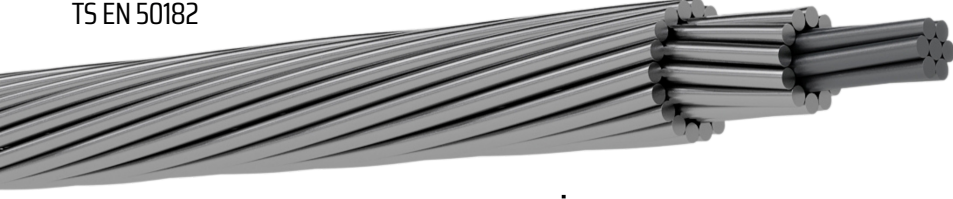


# 0.6/1 kV Alüminyum Güç Kabloları

## ACSR

Standart

TS EN 50182



### ACSR AMERİKAN STANDARTI / AMERICAN STANDARDS

#### ASTM B232 / B232M

| Kod       | Tel Sayısı ve Tel Çapı   |          | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci       | Akım Taşı-<br>ma Kapasitesi |
|-----------|--------------------------|----------|------------------|---------------|-------|--------|------------------------|---------------|--------------------|-----------------------------|
|           | Number and Wire Diameter |          |                  | Cross Section |       |        |                        |               |                    |                             |
| Code      | Alüminyum                | Çelik    | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resist-<br>ance | Current Carrying Capacity   |
|           | Aluminium                | Steel    |                  | Aluminium     | Steel | Total  |                        |               |                    |                             |
| -         | mm                       | mm       | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km             | A                           |
| Turkey    | 6/1.68                   | 1/1.68   | 5,04             | 13,29         | 2,21  | 15,5   | 53,6                   | 5,2           | 2,157              | 105                         |
| Swan      | 6/2.12                   | 1/2.12   | 6,36             | 21,16         | 3,55  | 24,71  | 85,3                   | 8,3           | 1,356              | 140                         |
| Swanate   | 7/1.96                   | 1/2.61   | 6,53             | 21,16         | 5,35  | 26,51  | 99,6                   | 10,5          | 1,356              | 140                         |
| Sparrow   | 6/2.67                   | 1/2.67   | 8,01             | 33,61         | 5,61  | 39,22  | 135,7                  | 12,7          | 0,853              | 184                         |
| Sparate   | 7/2.47                   | 1/3.30   | 8,24             | 33,61         | 8,52  | 42,13  | 158,7                  | 16,1          | 0,853              | 184                         |
| Robin     | 6/3.00                   | 1/3.00   | 9                | 42,39         | 7,1   | 49,49  | 171,1                  | 15,8          | 0,6765             | 212                         |
| Raven     | 6/3.37                   | 1/3.37   | 10,11            | 53,48         | 8,9   | 62,38  | 216,1                  | 19,4          | 0,5364             | 242                         |
| Quail     | 6/3.78                   | 1/3.78   | 11,34            | 67,42         | 11,23 | 78,65  | 272                    | 23,6          | 0,4255             | 276                         |
| Pigeon    | 6/4.25                   | 1/4.25   | 12,75            | 85,03         | 14,19 | 99,22  | 343                    | 29,5          | 0,3373             | 315                         |
| Penguin   | 6/4.77                   | 1/4.77   | 14,31            | 107,23        | 17,87 | 125,1  | 432,7                  | 37,1          | 0,2676             | 357                         |
| Waxwing   | 18/3.09                  | 1/3.09   | 15,45            | 135,16        | 7,48  | 142,64 | 430,2                  | 30,6          | 0,2133             | 449                         |
| Partridge | 26/2.57                  | 7/2.00   | 16,28            | 135,16        | 22    | 157,16 | 545,9                  | 50,3          | 0,2142             | 475                         |
| Ostrich   | 26/2.73                  | 7/2.12   | 17,28            | 152           | 24,77 | 176,77 | 613,4                  | 56,5          | 0,1906             | 492                         |
| Merlin    | 18/2.89                  | 1/2.25   | 18,29            | 118           | 3,97  | 121,99 | 542,8                  | 38,63         | 0,17188            | 519                         |
| Linnet    | 26/2.89                  | 7/2.25   | 18,31            | 170,45        | 27,74 | 198,19 | 687,5                  | 62,7          | 0,1699             | 529                         |
| Oriole    | 30/2.69                  | 7/2.69   | 18,83            | 170,45        | 39,81 | 210,26 | 783,3                  | 77            | 0,1704             | 535                         |
| Chickdee  | 18/3.77                  | 1/3.77   | 18,85            | 201,42        | 11,16 | 212,58 | 641,3                  | 44,2          | 0,1432             | 576                         |
| Brant     | 24/3.27                  | 7/2.18   | 19,61            | 201,42        | 26,13 | 227,55 | 761                    | 64,9          | 0,1438             | 584                         |
| Ibis      | 26/3.14                  | 7/2.44   | 19,88            | 201,42        | 32,77 | 234,19 | 812,4                  | 72,5          | 0,1438             | 587                         |
| Lark      | 30/2.92                  | 7/2.92   | 20,44            | 201,42        | 46,97 | 248,39 | 925,2                  | 90,3          | 0,1442             | 594                         |
| Pelican   | 18/4.14                  | 1/4.14   | 20,7             | 241,68        | 13,42 | 255,1  | 769,7                  | 52,5          | 0,1193             | 646                         |
| Flicker   | 24/3.58                  | 7/2.39   | 21,49            | 241,68        | 31,29 | 272,97 | 913,5                  | 76,1          | 0,1199             | 655                         |
| Hawk      | 26/3.44                  | 7/2.68   | 21,8             | 241,68        | 39,35 | 281,03 | 975,1                  | 86,7          | 0,1199             | 659                         |
| Hen       | 30/3.20                  | 7/3.20   | 22,4             | 241,68        | 56,39 | 298,07 | 1110,3                 | 105,9         | 0,1202             | 666                         |
| Osprey    | 18/4.47                  | 1/4.47   | 22,35            | 282           | 15,68 | 297,68 | 897,7                  | 60,9          | 0,1022             | 711                         |
| Parakeet  | 24/3.87                  | 7/2.58   | 23,22            | 282           | 36,58 | 318,58 | 1065,6                 | 88,1          | 0,1028             | 721                         |
| Dove      | 26/3.72                  | 7/2.89   | 23,55            | 282           | 45,94 | 327,94 | 1138,6                 | 100,5         | 0,1028             | 726                         |
| Eagle     | 30/3.46                  | 7/3.46   | 24,21            | 282           | 65,81 | 347,81 | 1295,6                 | 123,7         | 0,103              | 734                         |
| Peacock   | 24/4.03                  | 7/2.69   | 24,2             | 306,58        | 39,74 | 346,32 | 1158,9                 | 95,6          | 0,09449            | 760                         |
| Squab     | 26/3.87                  | 26/1.525 | 24,51            | 306,58        | 49,94 | 356,52 | 1237                   | 106,8         | 0,09449            | 765                         |
| Wood Duc  | 30/3.61                  | 7/3.61   | 25,25            | 306,58        | 71,55 | 378,13 | 1408,4                 | 128,5         | 0,09473            | 774                         |
| Teal      | 30/3.61                  | 19/2.16  | 25,24            | 306,58        | 69,87 | 376,45 | 1396,6                 | 133,4         | 0,09475            | 773                         |
| Kingbird  | 18/4.78                  | 1/4.78   | 23,88            | 322,39        | 17,74 | 340,13 | 1026,6                 | 69,8          | 0,8942             | 773                         |
| Swift     | 36/3.38                  | 1/3.37   | 23,62            | 322,2         | 8,9   | 331,14 | 956,6                  | 61,38         | 0,89751            | 769                         |
| Rook      | 24/4.14                  | 7/2.76   | 24,84            | 322,26        | 41,81 | 364,07 | 1217,6                 | 101           | 0,08989            | 784                         |
| Grosbeak  | 26/3.97                  | 7/3.09   | 25,15            | 300,26        | 52,52 | 374,78 | 1300,8                 | 112,1         | 0,08989            | 789                         |
| Scoter    | 30/3.70                  | 7/3.70   | 25,88            | 322,26        | 75,22 | 397,48 | 1480,7                 | 134,8         | 0,09011            | 798                         |
| Egret     | 30/3.70                  | 19/2.22  | 25,9             | 322,26        | 7,48  | 395,74 | 1469                   | 140,1         | 0,09012            | 798                         |
| Flamingo  | 24/4.23                  | 7/2.82   | 25,4             | 337,74        | 43,81 | 381,55 | 1276,6                 | 105,4         | 0,08576            | 807                         |
| Gannet    | 26/4.07                  | 7/3.16   | 28,3             | 337,81        | 55,03 | 392,84 | 1363,3                 | 117,4         | 0,08576            | 812                         |
| Stilt     | 24/4.39                  | 7/2.92   | 26,31            | 362,64        | 46,97 | 409,61 | 1370,4                 | 113,4         | 0,07989            | 844                         |
| Starling  | 26/4.21                  | 7/3.28   | 26,68            | 362,58        | 59,03 | 421,61 | 1463,7                 | 126,3         | 0,07992            | 849                         |
| Redwing   | 30/3.92                  | 19/2.35  | 27,43            | 362,58        | 82,64 | 445,22 | 1650,6                 | 153,9         | 0,08009            | 859                         |



# ACSR

Standart  
TS EN 50182

## Teknik Özellikler

### ACSR IEC STANDARDI / IEC STANDARDS

#### IEC 61089:1997

| Kod  | Tel Sayısı ve Tel Çapı   |         | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci  |
|------|--------------------------|---------|------------------|---------------|-------|--------|------------------------|---------------|---------------|
|      | Number and Wire Diameter |         |                  | Cross Section |       |        |                        |               |               |
| Code | Alüminyum                | Çelik   | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resistance |
|      | Aluminium                | Steel   |                  | Aluminium     | Steel | Total  |                        |               |               |
| -    | mm                       | mm      | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km        |
| 16   | 6/1.81                   | 1/1.81  | 5,43             | 15            | 2,56  | 17,9   | 59                     |               | 17,923        |
| 25   | 6/2.26                   | 1/2.26  | 6,78             | 24            | 4     | 28     | 92,1                   | 9             | 11,471        |
| 40   | 6/2.85                   | 1/2.85  | 8,55             | 38            | 6,4   | 44,8   | 147,4                  | 14,21         | 0,7169        |
| 63   | 6/3.58                   | 1/3.58  | 10,7             | 60            | 10,08 | 70,6   | 232,2                  | 21,17         | 0,4552        |
| 100  | 6/4.51                   | 1/4.51  | 13,5             | 96            | 16    | 112    | 368,6                  | 31,84         | 0,2868        |
| 125  | 18/2.95                  | 1/2.95  | 14,8             | 123           | 6,85  | 130    | 384,3                  | 29,18         | 0,2304        |
| 125  | 26/2.43                  | 7/1.89  | 15,4             | 120           | 19,6  | 140    | 460,8                  | 44,49         | 0,2308        |
| 160  | 18/3.34                  | 1/3.34  | 16,7             | 158           | 8,77  | 167    | 491,9                  | 3,638         | 0,18          |
| 160  | 26/2.74                  | 7/2.13  | 17,4             | 154           | 25    | 179    | 589,9                  | 56,18         | 0,1803        |
| 200  | 18/3.74                  | 1/3.74  | 18,7             | 197           | 10,96 | 208    | 614,9                  | 43,62         | 0,144         |
| 200  | 26/3.07                  | 7/2.39  | 19,4             | 192           | 31,3  | 223    | 737,2                  | 69,27         | 0,1443        |
| 250  | 22/3.76                  | 7/2.09  | 21,3             | 244           | 24    | 268    | 830,9                  | 67,8          | 0,1153        |
| 250  | 26/3.43                  | 7/2.67  | 21,7             | 240           | 39,1  | 279    | 921,5                  | 86,58         | 0,1154        |
| 315  | 45/2.96                  | 7/1.97  | 23,7             | 310           | 21,4  | 331    | 996,4                  | 78,33         | 0,0917        |
| 315  | 26/3.85                  | 7/3.02  | 24,4             | 303           | 49,3  | 352    | 11.611                 | 107,58        | 0,0916        |
| 400  | 45/3.34                  | 7/2.22  | 26,7             | 393           | 27,2  | 420    | 1265,3                 | 97,5          | 0,0722        |
| 400  | 54/3.02                  | 7/3.02  | 27,2             | 387           | 50,2  | 438    | 1402,9                 | 124,2         | 0,0723        |
| 450  | 45/3.54                  | 7/2.36  | 28,3             | 442           | 30,6  | 473    | 1423,4                 | 107,48        | 0,0642        |
| 450  | 54/3.21                  | 7/3.21  | 28,9             | 436           | 56,5  | 492    | 1578,2                 | 139,72        | 0,0642        |
| 500  | 45/3.73                  | 7/2.49  | 29,8             | 492           | 34    | 525    | 1581,6                 | 119,42        | 0,0578        |
| 500  | 54/3.38                  | 7/3.38  | 30,4             | 484           | 62,8  | 547    | 1753,6                 | 153,99        | 0,0578        |
| 560  | 45/3.95                  | 7/2.63  | 31,6             | 550           | 38,1  | 589    | 1771,4                 | 133,75        | 0,0516        |
| 560  | 54/3.58                  | 19/2.15 | 32,2             | 543           | 68,8  | 612    | 1956,3                 | 169,36        | 0,0516        |
| 630  | 45/4.19                  | 7/2.79  | 33,5             | 619           | 42,8  | 662    | 1992,8                 | 150,47        | 0,0458        |
| 630  | 54/3.79                  | 19/2.28 | 34,2             | 611           | 77,3  | 688    | 2200,9                 | 190,52        | 0,0459        |
| 710  | 45/4.44                  | 7/2.96  | 35,6             | 698           | 48,3  | 746    | 2245,8                 | 169,57        | 0,0407        |
| 710  | 54/4.03                  | 19/2.42 | 36,3             | 688           | 87,2  | 775    | 2480,3                 | 214,72        | 0,0407        |
| 800  | 72/3.74                  | 7/2.49  | 37,4             | 791           | 34,2  | 826    | 2412,8                 | 167,67        | 0,0361        |
| 800  | 84/3.45                  | 7/3.45  | 37,9             | 784           | 65,3  | 849    | 2598,9                 | 206,37        | 0,0362        |
| 800  | 54/4.28                  | 19/2.57 | 38,5             | 775           | 98,2  | 874    | 2794,7                 | 241,94        | 0,0361        |
| 900  | 72/3.97                  | 7/2.65  | 39,7             | 890           | 38,5  | 929    | 2714,4                 | 188,63        | 0,0321        |
| 900  | 84/3.66                  | 7/3.66  | 40,2             | 882           | 73,5  | 955    | 2923,8                 | 224,82        | 0,0321        |
| 1000 | 72/4.18                  | 7/2.79  | 41,8             | 989           | 42,7  | 1032   | 3016                   | 209,59        | 0,0289        |
| 1120 | 72/4.43                  | 19/1.77 | 44,33            | 1108          | 46,8  | 1155   | 3372,6                 | 233,48        | 0,0258        |
| 1120 | 84/4.08                  | 19/2.45 | 46,8             | 1098          | 89,4  | 1187   | 3628,4                 | 282,88        | 0,0258        |
| 1250 | 72/4.68                  | 19/1.87 | 46,8             | 1237          | 52,5  | 1289   | 3764,1                 | 260,58        | 0,0231        |
| 1250 | 84/4.31                  | 19/2.59 | 47,4             | 1225          | 99,8  | 1325   | 4049,5                 | 315,72        | 0,0231        |



# ACSR

Standart  
TS EN 50182

## Teknik Özellikler

### ACSR ALMAN STANDARDI / GERMAN STANDARDS

#### EN 50182 - DIN - 48204

| Yeni Kod             | Eski Kod | Tel Sayısı ve Tel Çapı   |         | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci                 | Akım Taşıma Kapasitesi    |
|----------------------|----------|--------------------------|---------|------------------|---------------|-------|--------|------------------------|---------------|------------------------------|---------------------------|
|                      |          | Number and Wire Diameter |         |                  | Cross Section |       |        |                        |               |                              |                           |
| New Code             | Old Code | Alüminyum                | Çelik   | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resist-<br>ance<br>ohm/km | Current Carrying Capacity |
|                      |          | Aluminium                | Steel   |                  | Aluminium     | Steel | Total  |                        |               |                              |                           |
| -                    | -        | mm                       | mm      | mm               | mm            | mm    | mm     | kg / km                | kN            |                              | A                         |
| 15 - AL1/3 - ST1A    | 16/2.5   | 6/1.80                   | 1/1.80  | 5,4              | 15,3          | 2,5   | 17,9   | 62                     | 5,81          | 1,8793                       | 105                       |
| 24 - AL1/4 - ST1A    | 25/4     | 6/2.25                   | 1/2.25  | 6,8              | 23,8          | 4     | 27,8   | 96                     | 9,02          | 1,2028                       | 140                       |
| 34 - AL1/6 - ST1A    | 35/6     | 6/2.70                   | 1/2.70  | 8,1              | 34,3          | 5,7   | 40     | 139                    | 12,7          | 0,8353                       | 170                       |
| 44 - AL1/32 - ST1A   | 44/32    | 14/2.00                  | 7/2.40  | 11,2             | 44            | 31,7  | 75,7   | 369                    | 45,46         | 0,6573                       | -                         |
| 48 - AL1/8 - SAT1A   | 50/8     | 6/3.20                   | 1/3.20  | 9,6              | 48,3          | 8     | 56,3   | 195                    | 17,18         | 0,5946                       | 210                       |
| 51 - AL1/30 - SAT1A  | 50/30    | 12/2.33                  | 7/2.33  | 11,7             | 51,2          | 29,8  | 81     | 375                    | 44,28         | 0,5644                       | -                         |
| 70 - AL1/11 - ST1A   | 70/12    | 26/1.85                  | 7/1.44  | 11,7             | 69,9          | 11,4  | 81,3   | 282                    | 26,31         | 0,413                        | 290                       |
| 94 - AL1/15 - ST1A   | 95/15    | 26/2.15                  | 7/1.67  | 13,6             | 94,4          | 15,3  | 110    | 381                    | 35,17         | 0,3058                       | 350                       |
| 97 - AL1/56 - ST1A   | 95/55    | 12/3.20                  | 7/3.20  | 16               | 96,5          | 56,3  | 153    | 707                    | 80,2          | 0,2992                       | -                         |
| 106 - AL1/76 - ST1A  | 105/75   | 14/3.10                  | 19/2.25 | 17,5             | 105,7         | 75,5  | 182    | 885                    | 106,69        | 0,2736                       | -                         |
| 122 - AL1/20 - ST1A  | 120/20   | 26/2.44                  | 7/1.90  | 15,5             | 121,6         | 19,8  | 141    | 491                    | 44,94         | 0,2374                       | 410                       |
| 122 - AL1/71 - ST1A  | 120/70   | 12/3.60                  | 7/3.60  | 18               | 122           | 71,3  | 193    | 895                    | 98,16         | 0,2364                       | -                         |
| 128 - AL1/30 - ST1A  | 125/30   | 30/2.33                  | 7/2.33  | 16,1             | 127,9         | 29,8  | 158    | 587                    | 57,86         | 0,2259                       | 425                       |
| 149 - AL1/24 - ST1A  | 150/25   | 26/2.70                  | 7/2.10  | 17,1             | 148,9         | 24,2  | 173    | 601                    | 54,37         | 0,1939                       | 470                       |
| 172 - AL1/40 - ST1A  | 170/40   | 30/2.70                  | 7/2.70  | 18,9             | 171,8         | 40,1  | 212    | 788                    | 77,01         | 0,1682                       | 520                       |
| 184 - AL1/30 - ST1A  | 185/30   | 26/3.00                  | 7/2.33  | 19               | 183,8         | 29,8  | 214    | 741                    | 66,28         | 0,1571                       | 535                       |
| 209 - AL1/34 - ST1A  | 210/35   | 26/3.20                  | 7/2.49  | 20,3             | 209,1         | 34,1  | 243    | 844                    | 74,94         | 0,138                        | 590                       |
| 212 - AL1/49 - ST1A  | 210/50   | 30/3.00                  | 7/3.00  | 21,3             | 212,1         | 49,5  | 262    | 973                    | 92,25         | 0,1363                       | 610                       |
| 231 - AL1/30 - ST1A  | 230/30   | 24/3.50                  | 7/2.33  | 21               | 230,9         | 29,8  | 261    | 871                    | 73,09         | 0,1249                       | 630                       |
| 243 - AL1/39 - ST1A  | 240/40   | 26/3.45                  | 7/2.68  | 21,9             | 243           | 39,5  | 283    | 980                    | 86,46         | 0,1188                       | 645                       |
| 264 - AL1/34 - ST1A  | 265/35   | 24/3.74                  | 7/2.49  | 22,4             | 263,7         | 34,1  | 298    | 994                    | 82,94         | 0,1094                       | 680                       |
| 304 - AL1/47 - ST1A  | 300/50   | 26/3.86                  | 7/3.00  | 24,5             | 304,3         | 49,5  | 354    | 1227                   | 105,09        | 0,0949                       | 740                       |
| 305 - AL1/39 - ST1A  | 305/40   | 54/2.68                  | 7/2.68  | 24,1             | 304,6         | 39,5  | 344    | 1151                   | 99,3          | 0,0949                       | 740                       |
| 339 - AL1/30 - ST1A  | 340/30   | 48/3.00                  | 7/2.33  | 25               | 339,3         | 29,8  | 369    | 1171                   | 92,56         | 0,0851                       | 790                       |
| 382 - AL1/49 - ST1A  | 380/50   | 54/3.00                  | 7/3.00  | 27               | 382           | 49,5  | 432    | 1443                   | 120,91        | 0,0757                       | 840                       |
| 386 - AL1/34 - ST1A  | 385/35   | 48/3.20                  | 7/2.49  | 26,7             | 386           | 34,1  | 420    | 1334                   | 104,31        | 0,0748                       | 850                       |
| 434 - AL1/56 - ST1A  | 435/55   | 54/3.20                  | 7/3.20  | 28,8             | 434,3         | 56,3  | 491    | 1641                   | 136,27        | 0,0666                       | 900                       |
| 449 - AL1/39 - ST1A  | 450/40   | 48/3.45                  | 7/2.68  | 28,7             | 448,7         | 39,5  | 488    | 1549                   | 120,19        | 0,0644                       | 920                       |
| 490 - AL1/64 - ST1A  | 490/65   | 54/3.40                  | 7/3.40  | 30,6             | 490,3         | 63,6  | 554    | 1853                   | 152,85        | 0,059                        | 960                       |
| 494 - AL1/34 - ST1A  | 495/35   | 45/3.74                  | 7/2.49  | 29,9             | 494,4         | 34,1  | 528,4  | 1632                   | 117,96        | 0,0584                       | 985                       |
| 511 - AL1/45 - ST1A  | 510/45   | 48/3.68                  | 7/2.87  | 30,7             | 510,15        | 45,3  | 555,8  | 1765                   | 133,31        | 0,0566                       | 995                       |
| 550 - AL1/71 - ST1A  | 550/70   | 54/3.60                  | 7/3.60  | 32,4             | 550           | 71,3  | 621    | 2077                   | 166,32        | 0,0526                       | 1020                      |
| 562 - AL1/49 - ST1A  | 560/50   | 48/3.86                  | 7/3.00  | 32,2             | 561,7         | 49,5  | 611    | 1940                   | 146,28        | 0,0514                       | 1040                      |
| 571 - AL1/39 - ST1A  | 570/40   | 45/4.02                  | 7/2.68  | 32,2             | 571,2         | 39,5  | 610,6  | 1887                   | 136,4         | 0,0506                       | 1050                      |
| 653 - AL1/45 - ST1A  | 650/45   | 45/4.30                  | 7/2.87  | 34,4             | 653,5         | 45,3  | 698,8  | 2160                   | 156,18        | 0,0442                       | 1120                      |
| 679 - AL1/86 - ST1A  | 680/85   | 54/4.00                  | 19/2.40 | 36               | 678,8         | 86    | 765    | 2550                   | 206,56        | 0,0426                       | 1150                      |
| 1046 - AL1/45 - ST1A | 1045/45  | 72/4.30                  | 7/2.87  | 43               | 1045,6        | 45,3  | 1010   | 3248                   | 218,92        | 0,0277                       | 1580                      |



# ACSR

Standart  
TS EN 50182

## Teknik Özellikler

### ACSR KANADA STANDARDI / CANADA STANDARDS

#### CSA C 49

| Kod       | Tel Sayısı ve Tel Çapı   |         | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci   | Akım Taşıma Kapasitesi    |
|-----------|--------------------------|---------|------------------|---------------|-------|--------|------------------------|---------------|----------------|---------------------------|
|           | Number and Wire Diameter |         |                  | Cross Section |       |        |                        |               |                |                           |
| Code      | Alüminyum                | Çelik   | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resist-ance | Current Carrying Capacity |
|           | Aluminium                | Steel   |                  | Aluminium     | Steel | Total  |                        |               |                |                           |
| -         | mm                       | mm      | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km         | A                         |
| Wren      | 6/1.33                   | 1/1.33  | 3,99             | 8,39          | 1,42  | 9,81   | 34                     | 3,3           | 3,4226         | 63                        |
| Warbler   | 6/1.50                   | 1/1.50  | 4,5              | 10,59         | 1,34  | 11,93  | 43                     | 4,2           | 2,7139         | 67                        |
| Turkey    | 6/1.68                   | 1/1.68  | 5,04             | 13,29         | 2,19  | 15,48  | 54                     | 5,2           | 2,1535         | 86                        |
| Thrush    | 6/1.89                   | 1/1.89  | 5,67             | 16,77         | 2,77  | 19,54  | 68                     | 6,5           | 1,7077         | 93                        |
| Swan      | 6/2.12                   | 1/2.12  | 6,36             | 21,16         | 3,55  | 24,71  | 85                     | 8,2           | 1,3537         | 109                       |
| Swallow   | 6/2.38                   | 1/2.38  | 7,14             | 26,65         | 4,45  | 31,09  | 108                    | 10            | 1,0738         | 126                       |
| Sparrow   | 6/2.67                   | 1/2.67  | 8,01             | 33,61         | 5,61  | 39,22  | 136                    | 12,4          | 0,8504         | 140                       |
| Robin     | 6/3.00                   | 1/3.00  | 9                | 42,39         | 7,1   | 49,49  | 171                    | 15,5          | 0,6752         | 162                       |
| Raven     | 6/3.37                   | 1/3.37  | 10,11            | 53,48         | 8,9   | 62,38  | 215                    | 19            | 0,5351         | 186                       |
| Quail     | 6/3.78                   | 1/3.78  | 11,34            | 67,42         | 11,23 | 78,65  | 273                    | 10,8          | 0,4245         | 211                       |
| Pigeon    | 6/4.25                   | 1/4.25  | 12,75            | 85,03         | 14,19 | 99,22  | 343                    | 29,7          | 0,3366         | 241                       |
| Penguin   | 6/4.77                   | 1/4.77  | 14,31            | 107,23        | 17,87 | 125,1  | 433                    | 37,5          | 0,2671         | 276                       |
| Owl       | 6/5.36                   | 7/1.74  | 16,09            | 135,16        | 17,55 | 152,7  | 508                    | 42,5          | 0,2119         | 322                       |
| Waxwing   | 18/3.09                  | 1/3.09  | 15,15            | 135,16        | 7,48  | 142,6  | 430                    | 31,5          | 0,2126         | 319                       |
| Partridge | 26/2.57                  | 7/2.00  | 16,28            | 135,16        | 22    | 157,2  | 545                    | 50,01         | 0,2136         | 321                       |
| Phoebe    | 18/3.28                  | 1/3.28  | 16,4             | 152           | 8,45  | 160,5  | 483                    | 35,5          | 0,1893         | 341                       |
| Ostrich   | 26/2.73                  | 7/2.12  | 17,28            | 152           | 24,71 | 176,7  | 613                    | 56,2          | 0,19           | 343                       |
| Piper     | 30/2.54                  | 7/2.54  | 17,78            | 152           | 35,48 | 187,5  | 697                    | 68,6          | 0,1903         | 348                       |
| Merlin    | 18/3.47                  | 1/3.47  | 17,35            | 170,45        | 9,48  | 179,9  | 543                    | 39,8          | 0,1686         | 364                       |
| Linnet    | 26/2.89                  | 7/2.25  | 18,31            | 170,45        | 27,81 | 198,3  | 687                    | 62,5          | 0,1696         | 368                       |
| Oriole    | 30/2.69                  | 7/2.69  | 18,83            | 170,45        | 39,81 | 210,3  | 783                    | 75,8          | 0,1696         | 370                       |
| Chickadee | 18/3.77                  | 1/3.77  | 18,85            | 201,42        | 11,16 | 212,6  | 641                    | 46,3          | 0,143          | 402                       |
| Ibis      | 26/3.14                  | 7/2.44  | 19,88            | 201,42        | 32,77 | 234,2  | 813                    | 72            | 0,1434         | 404                       |
| Lark      | 30/2.92                  | 7/2.92  | 20,44            | 201,42        | 46,97 | 248,4  | 923                    | 88,8          | 0,1437         | 410                       |
| Pelican   | 18/4.14                  | 1/4.14  | 20,7             | 241,68        | 13,42 | 255,1  | 769                    | 54,8          | 0,1191         | 449                       |
| -         | 22/3.74                  | 7/2.08  | 21,2             | 241,68        | 23,74 | 265,4  | 853                    | 68,6          | 0,1194         | 452                       |
| Hawk      | 26/3.44                  | 7/2.67  | 21,77            | 241,68        | 39,42 | 281,1  | 975                    | 86,5          | 0,1194         | 450                       |
| Hen       | 30/3.20                  | 7/3.20  | 22,4             | 241,68        | 56,39 | 298,1  | 1108                   | 103,9         | 0,1198         | 453                       |
| Heron     | 30/3.28                  | 7/3.28  | 22,96            | 253,35        | 59,1  | 312,5  | 1162                   | 108,8         | 0,1142         | 469                       |
| -         | 22/4.04                  | 7/2.24  | 22,88            | 282           | 27,68 | 309,7  | 993                    | 79,1          | 0,1024         | 496                       |
| Dove      | 26/3.72                  | 7/2.89  | 23,55            | 282           | 45,94 | 327,9  | 1137                   | 99,9          | 0,1024         | 495                       |
| Eagle     | 30/3.46                  | 7/3.46  | 24,22            | 282           | 65,81 | 347,8  | 1293                   | 121,2         | 0,1027         | 497                       |
| -         | 22/4.21                  | 7/2.34  | 23,86            | 306,58        | 30,07 | 336,7  | 1080                   | 84,9          | 0,0942         | 519                       |
| Duck      | 54/2.69                  | 7/2.69  | 24,21            | 306,58        | 39,81 | 346,4  | 1159                   | 100,1         | 0,0945         | 520                       |
| -         | 22/4.32                  | 7/2.40  | 24,48            | 322,26        | 31,61 | 353,9  | 1135                   | 84,8          | 0,0896         | 532                       |
| Grosbeak  | 26/3.97                  | 7/3.09  | 25,15            | 322,26        | 52,45 | 374,7  | 1299                   | 111,2         | 0,0896         | 530                       |
| Egret     | 30/3.70                  | 19/2.22 | 25,9             | 322,26        | 73,55 | 395,8  | 1467                   | 140,6         | 0,0896         | 542                       |
| Goose     | 54/2.76                  | 7/2.76  | 24,84            | 322,26        | 41,74 | 364    | 1217                   | 105,2         | 0,0899         | 534                       |



# ACSR

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## Teknik Özellikler

### ACSR KANADA STANDARDI / CANADA STANDARDS

#### CSA C 49

| Kod      | Tel Sayısı ve Tel Çapı   |         | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci  | Akım Taşıma Kapasitesi    |
|----------|--------------------------|---------|------------------|---------------|-------|--------|------------------------|---------------|---------------|---------------------------|
|          | Number and Wire Diameter |         |                  | Cross Section |       |        |                        |               |               |                           |
| Code     | Alüminyum                | Çelik   | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resistance | Current Carrying Capacity |
|          | Aluminium                | Steel   |                  | Aluminium     | Steel | Total  |                        |               |               |                           |
| -        | mm                       | mm      | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km        | A                         |
| -        | 42/3.20                  | 7/1.78  | 24,54            | 337,74        | 17,35 | 355,1  | 1068                   | 78,6          | 0,0856        | 546                       |
| Gull     | 54/2.82                  | 7/2.82  | 25,38            | 337,74        | 43,81 | 381,6  | 1277                   | 109,2         | 0,0856        | 553                       |
| Starling | 26/4.21                  | 7/3.28  | 26,68            | 362,58        | 59,03 | 421,6  | 1462                   | 125           | 0,0797        | 575                       |
| Redwing  | 30/3.92                  | 19/2.35 | 27,43            | 362,58        | 82,58 | 445,2  | 1648                   | 153,9         | 0,0797        | 581                       |
| -        | 42/3.31                  | 7/1.84  | 25,38            | 362,58        | 18,65 | 381,2  | 1148                   | 84,3          | 0,0797        | 573                       |
| Crow     | 54/2.92                  | 7/2.92  | 26,28            | 362,58        | 46,97 | 409,6  | 1369                   | 117,2         | 0,0797        | 577                       |
| Drake    | 26/4.44                  | 7/3.45  | 28,11            | 402,84        | 65,61 | 468,5  | 1624                   | 139           | 0,0715        | 611                       |
| Mallard  | 30/4.14                  | 19/2.48 | 28,96            | 402,8         | 91,84 | 494,7  | 1832                   | 171           | 0,0719        | 618                       |
| -        | 42/3.50                  | 7/1.94  | 26,82            | 402,8         | 20,71 | 423,6  | 1274                   | 93,6          | 0,0719        | 610                       |
| Condore  | 54/3.08                  | 7/3.08  | 27,72            | 402,8         | 52,19 | 455    | 1521                   | 127           | 0,0719        | 615                       |
| -        | 42/3.67                  | 7/2.04  | 28,14            | 443,1         | 22,84 | 465,9  | 1402                   | 102           | 0,0653        | 645                       |
| Crane    | 54/3.23                  | 7/3.23  | 29,07            | 443,1         | 57,48 | 500,7  | 1674                   | 133           | 0,0653        | 649                       |
| -        | 42/3.72                  | 7/2.07  | 28,53            | 456,1         | 23,42 | 479,5  | 1442                   | 105           | 0,0633        | 655                       |
| Canary   | 54/3.28                  | 7/3.28  | 29,52            | 456,1         | 59,1  | 515,2  | 1724                   | 144           | 0,0633        | 660                       |
| -        | 42/3.38                  | 7/2.13  | 29,87            | 483,4         | 24,84 | 508,3  | 1528                   | 109           | 0,0597        | 678                       |
| Cardinal | 54/3.38                  | 7/3.38  | 30,42            | 483,4         | 62,65 | 546,1  | 1826                   | 152           | 0,0597        | 682                       |
| -        | 42/3.99                  | 7/2.21  | 30,57            | 523,7         | 26,97 | 550,7  | 1657                   | 118           | 0,0551        | 710                       |
| Curlew   | 54/3.51                  | 7/3.51  | 31,59            | 523,7         | 67,87 | 591,6  | 1978                   | 165           | 0,0551        | 715                       |
| -        | 42/4.41                  | 7/2.30  | 31,74            | 563,9         | 28,97 | 592,9  | 1783                   | 126           | 0,0512        | 741                       |
| Finch    | 54/3.65                  | 19/2.19 | 32,85            | 563,9         | 71,55 | 636,8  | 2121                   | 179           | 0,0512        | 746                       |
| -        | 42/4.28                  | 7/2.38  | 32,82            | 604,3         | 31,1  | 635,4  | 1911                   | 135           | 0,0479        | 772                       |
| Grackle  | 54/3.77                  | 19/2.27 | 33,97            | 604,26        | 76,58 | 680,8  | 2271                   | 192           | 0,0479        | 776                       |
| -        | 42/4.42                  | 7/2.46  | 33,9             | 644,51        | 33,16 | 677,7  | 2039                   | 144           | 0,0449        | 800                       |
| Pheasant | 54/3.90                  | 19/2.34 | 35,1             | 644,51        | 81,68 | 726,2  | 2421                   | 199           | 0,0449        | 805                       |
| -        | 42/4.56                  | 7/2.53  | 34,95            | 684,84        | 35,23 | 720,1  | 2166                   | 153           | 0,0423        | 829                       |
| Martin   | 54/4.02                  | 19/2.41 | 36,17            | 684,84        | 86,71 | 771,6  | 2573                   | 212           | 0,0423        | 835                       |
| -        | 42/4.69                  | 7/2.61  | 35,97            | 725,1         | 37,35 | 762,5  | 2294                   | 162           | 0,0397        | 858                       |
| Plover   | 54/4.14                  | 19/2.48 | 37,24            | 725,1         | 91,87 | 817    | 2725                   | 224           | 0,04          | 862                       |
| -        | 42/4.82                  | 7/2.67  | 36,93            | 765,35        | 39,35 | 804,7  | 2420                   | 171           | 0,0377        | 885                       |
| Parrot   | 54/4.25                  | 19/2.55 | 38,25            | 765,4         | 96,84 | 862,2  | 2877                   | 237           | 0,0377        | 890                       |
| -        | 48/4.36                  | 7/3.60  | 38,58            | 805,7         | 71,1  | 876,2  | 2779                   | 212           | 0,0358        | 929                       |
| Falcon   | 54/4.36                  | 19/2.62 | 39,26            | 805,7         | 102,1 | 907,8  | 3028                   | 250           | 0,0358        | 917                       |
| -        | 72/3.77                  | 7/2.52  | 37,72            | 805,7         | 34,84 | 840,5  | 2498                   | 176           | 0,0358        | 910                       |
| Bantam   | 3/1.68                   | 4/1.68  | 5,04             | 6,65          | 8,84  | 15,49  | 87,8                   | 11,7          | 4,3218        | 61                        |
| Magpie   | 3/2.12                   | 4/2.12  | 6,36             | 10,58         | 14,13 | 24,71  | 139,7                  | 18,6          | 2,7077        | 77                        |
| Shrike   | 3/2.67                   | 4/2.67  | 8,01             | 16,84         | 22,45 | 39,29  | 222,6                  | 28,6          | 1,7054        | 99                        |
| Snipe    | 3/3.37                   | 4/3.37  | 10,11            | 26,17         | 35,68 | 62,45  | 354,1                  | 43,9          | 1,0718        | 132                       |
| Loon     | 3/3.78                   | 4/3.78  | 11,34            | 33,68         | 44,97 | 78,65  | 445,8                  | 55,3          | 0,8514        | 149                       |



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## Teknik Özellikler

### ACSR KANADA STANDARDI / CANADA STANDARDS

#### CSA C 49

| Kod       | Tel Sayısı ve Tel Çapı   |         | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci   | Akım Taşıma Kapasitesi    |
|-----------|--------------------------|---------|------------------|---------------|-------|--------|------------------------|---------------|----------------|---------------------------|
|           | Number and Wire Diameter |         |                  | Cross Section |       |        |                        |               |                |                           |
| Code      | Alüminyum                | Çelik   | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resist-ance | Current Carrying Capacity |
|           | Aluminium                | Steel   |                  | Aluminium     | Steel | Total  |                        |               |                |                           |
| -         | mm                       | mm      | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km         | A                         |
| Grouse    | 8/2.54                   | 1/4.24  | 9.32             | 40.52         | 14.13 | 54.65  | 221,2                  | 23,1          | 0.7077         | 157                       |
| Petrel    | 12/2.34                  | 7/2.34  | 11,7             | 51,61         | 30,01 | 81,67  | 376,9                  | 43,8          | 0.5591         | 193                       |
| Minorca   | 12/2.44                  | 7/2.44  | 12,2             | 56,13         | 32,77 | 88,9   | 311,3                  | 47,7          | 0.5134         | 198                       |
| Leghorn   | 12/2.69                  | 7/2.69  | 13,45            | 68,19         | 39,81 | 108    | 498,5                  | 57,5          | 0.4226         | 221                       |
| Guinea    | 12/2.92                  | 7/2.92  | 14,6             | 80,68         | 46,97 | 127,6  | 587,8                  | 67,6          | 0.3579         | 244                       |
| Dotterell | 12/3.08                  | 7/3.08  | 15,4             | 89,48         | 52,19 | 141,7  | 654,8                  | 73            | 0.3215         | 260                       |
| Dorking   | 12/3.20                  | 7/3.20  | 16               | 96,71         | 56,39 | 153,1  | 706,9                  | 78,9          | 0.2982         | 271                       |
| Brahma    | 16/2.86                  | 19/2.48 | 18,12            | 102,97        | 91,87 | 194,8  | 1004,9                 | 122,5         | 0.2815         | 287                       |
| Auk       | 8/4.05                   | 7/2.25  | 14,83            | 102,84        | 92,32 | 195,2  | 500                    | 49,6          | 0.2789         | 276                       |
| Cochin    | 12/3.37                  | 7/3.37  | 16,85            | 107,1         | 62,45 | 169,6  | 782,8                  | 87,4          | 0.2694         | 288                       |

### ACSR FRANSIZ STANDARDI / FRANCE STANDARDS

#### EN 50182

| Yeni Kod            | Eski Kod    | Tel Sayısı ve Tel Çapı   |        | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü    | D.A. Direnci  |
|---------------------|-------------|--------------------------|--------|------------------|---------------|-------|--------|------------------------|---------------|---------------|
|                     |             | Number and Wire Diameter |        |                  | Cross Section |       |        |                        |               |               |
| New Code            | Old Code    | Alüminyum                | Çelik  | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Stenght | DC Resistance |
|                     |             | Aluminium                | Steel  |                  | Aluminium     | Steel | Total  |                        |               |               |
| -                   | -           | mm                       | mm     | mm               | mm            | mm    | mm     | kg / km                | kN            | ohm/km        |
| 28 - AL1/9 - ST1A   | CANNA 37.7  | 9/2.00                   | 3/2.00 | 8,3              | 28,3          | 9,42  | 37,7   | 152                    | 16,26         | 1.018 7       |
| 38 - AL1/22 - ST1A  | CANNA 59.7  | 12/2.00                  | 7/2.00 | 10               | 37,7          | 22    | 59,7   | 276                    | 32,7          | 0.766 0       |
| 48 - AL1/28 - ST1A  | CANNA 75.5  | 12/2.25                  | 7/2.25 | 11,3             | 47,7          | 27,8  | 75,5   | 350                    | 41,15         | 0.605 2       |
| 59 - AL1/34 - ST1A  | CANNA 93.3  | 12/2.50                  | 7/2.50 | 12,5             | 58,9          | 34,4  | 93,3   | 431                    | 49,48         | 0.490 2       |
| 94 - AL1/22 - ST1A  | CANNA 116.2 | 30/2.00                  | 7/2.00 | 14               | 94,2          | 22    | 116,2  | 433                    | 43,17         | 0.306 7       |
| 119 - AL1/28 - ST1A | CANNA 147.1 | 30/2.25                  | 7/2.25 | 15,8             | 119,3         | 27,8  | 147,1  | 547                    | 54,03         | 0.242 3       |
| 147 - AL1/34 - ST1A | CANNA 181.6 | 30/2.50                  | 7/2.50 | 17,5             | 147,3         | 34,4  | 181,6  | 676                    | 64,94         | 0.196 3       |
| 185 - AL1/43 - ST1A | CANNA 228   | 30/2.80                  | 7/2.80 | 19,6             | 184,7         | 43,1  | 227,8  | 848                    | 80,54         | 0.156 5       |
| 234 - AL1/55 - ST1A | CANNA 288   | 30/3.15                  | 7/3.15 | 22,1             | 233,8         | 54,6  | 288,3  | 1073                   | 98,58         | 0.123 6       |

### ACSR İSPANYA STANDARDI / SPAIN STANDARDS

#### EN 50182

| Kod             | Yeni Kod        | Tel Sayısı ve Tel Çapı   |           | Çap      |       | Kesit Alanı   |       |        | Net Ağırlık<br>(Yaklaşık) | Kopma Yüğü      | D.A.<br>Direnci       |
|-----------------|-----------------|--------------------------|-----------|----------|-------|---------------|-------|--------|---------------------------|-----------------|-----------------------|
|                 |                 | Number and Wire Diameter |           | Diameter |       | Cross Section |       |        |                           |                 |                       |
| Code            | New Code        | Alüminyum                | Çelik     | İletken  | Öz    | Alüminyum     | Çelik | Toplam | Net<br>Weight<br>(Approx) | Rated<br>Stengt | DC<br>Resist-<br>ance |
|                 |                 | -                        | Steel     | Cond.    | Core  | Aluminium     | Steel | Total  |                           |                 |                       |
| -               |                 | mm                       | mm        | mm       | mm    | kg / km       | kN    | ohm/km | kg / km                   | kN              | ohm/km                |
| LA-30           | 27-AL1/4-ST1A   | 6 / 2.38                 | 1 / 2.38  | 2.38     | 714   | 26,7          | 4,5   | 31,1   | 107,8                     | 9,74            | 1,0736                |
| LA-56           | 47-AL1/8-ST1A   | 6 / 3.15                 | 1 / 3.15  | 3,15     | 9,45  | 46,8          | 7,8   | 54,6   | 188,8                     | 16,29           | 0,6129                |
| LA-78           | 67-AL1/11-ST1A  | 6 / 3.78                 | 1 / 3.78  | 3,78     | 11,34 | 67,3          | 11,2  | 78,6   | 271,8                     | 23,12           | 0,4256                |
| LA-110          | 94-AL1/22-ST1A  | 30 / 2.00                | 7 / 2.00  | 6        | 14    | 94,2          | 22    | 116,2  | 432,5                     | 43,17           | 0,3067                |
| LA-145          | 119-AL1/28-ST1A | 30 / 2.25                | 7 / 2.25  | 6,75     | 15,75 | 119,3         | 27,8  | 147,1  | 547,4                     | 54,03           | 0,2423                |
| LA-180          | 147-AL1/34-ST1A | 30 / 2.50                | 7 / 2.50  | 7,5      | 17,5  | 147,3         | 34,4  | 181,6  | 675,8                     | 64,94           | 0,1963                |
| LA-280 HAWK     | 242-AL1/39-ST1A | 26 / 3.44                | 7 / 2.68  | 8,04     | 21,8  | 241,6         | 39,5  | 281,1  | 976,2                     | 84,94           | 0,1195                |
| LA-380 GULL     | 337-AL1/44-ST1A | 54 / 2.85                | 7 / 2.82  | 8,46     | 25,4  | 337,3         | 43,7  | 381    | 1274,6                    | 107,18          | 0,0857                |
| LA-455 CONDOR   | 402-AL1/44-ST1A | 54 / 3.08                | 7 / 3.08  | 9,24     | 2,7   | 402,3         | 52,2  | 454,5  | 1520,5                    | 123,75          | 0,0719                |
| LA-545 CARDINAL | 485-AL1/63-ST1A | 54 / 3.38                | 7 / 3.38  | 10,14    | 30,42 | 484,5         | 62,8  | 547,3  | 1831,1                    | 149,04          | 0,0597                |
| LA-635 FINCH    | 565-AL1/72-ST1A | 54 / 3.65                | 19 / 2.19 | 10,95    | 32,85 | 565           | 71,6  | 636,6  | 2123                      | 174,14          | 0,0512                |



# ACSR

Standart  
TS EN 50182

## Teknik Özellikler

### ACSR İNGİLİZ STANDARDI / ENGLISH STANDARDS

#### BS EN 50182

| Yeni Kod | Eski Kod | Nominal Kesit   | Tel Sayısı ve Tel Çapı   |       | Dış Çap          | Kesit Alanı   |       |        | Net Ağırlık (Yaklaşık) | Kopma Yüğü     | D.A. Direnci  | Akım Taşıma Kapasitesi    |
|----------|----------|-----------------|--------------------------|-------|------------------|---------------|-------|--------|------------------------|----------------|---------------|---------------------------|
|          |          |                 | Number and Wire Diameter |       |                  | Cross Section |       |        |                        |                |               |                           |
| New Code | Old Code | Nominal Section | Alüminyum                | Çelik | Overall Diameter | Alüminyum     | Çelik | Toplam | Net Weight (Approx)    | Rated Steng-ht | DC Resistance | Current Carrying Capacity |
|          |          |                 | Aluminium                | Steel |                  | Aluminium     | Steel | Total  |                        |                |               |                           |
| -        | -        |                 | mm                       | mm    | mm               | mm            | mm    | mm     | kg / km                | kN             | ohm/km        | A                         |

|                     |          |     |         |        |       |       |       |       |        |        |        |     |
|---------------------|----------|-----|---------|--------|-------|-------|-------|-------|--------|--------|--------|-----|
| 11 - AL1/2 - ST1A   | Mole     | -   | 6/1.50  | 1/1.50 | 4,5   | 10,6  | 1,77  | 12,4  | 42,8   | 4,14   | 2,7027 | 67  |
| 21 - AL1/3 - ST1A   | Squirrel | -   | 6/2.11  | 1/2.11 | 6,33  | 21    | 3,5   | 24,5  | 84,7   | 7,87   | 1,3659 | 109 |
| 26 - AL1/4 - ST1A   | Gopher   | 25  | 6/2.36  | 1/2.36 | 7,08  | 26,24 | 4,38  | 30,62 | 106    | 9,61   | 1,093  | 126 |
| 32 - AL1/5 - ST1A   | Weasel   | 30  | 6/2.59  | 1/2.59 | 7,77  | 31,61 | 5,27  | 36,88 | 128    | 11,45  | 0,9077 | 134 |
| 37 - AL1/6 - ST1A   | Fox      | -   | 6/2.79  | 1/2.79 | 8,37  | 36,7  | 6,11  | 42,8  | 148,1  | 13,21  | 0,7812 | 147 |
| 42 - AL1/7 - ST1A   | Ferret   | 40  | 6/3.00  | 1/3.00 | 9     | 42,41 | 7,07  | 49,48 | 172    | 15,2   | 0,6766 | 161 |
| 53 - AL1/9 - ST1A   | Rabbit   | 50  | 6/3.35  | 1/3.35 | 10,05 | 52,88 | 8,82  | 61,7  | 214    | 18,35  | 0,5426 | 185 |
| 63 - AL1/11 - ST1A  | Mink     | -   | 6/3.66  | 1/3.66 | 11    | 63,1  | 10,5  | 73,6  | 254,9  | 21,67  | 0,454  | 174 |
| 63 - AL1/37 - ST1A  | Skunk    | -   | 12/2.59 | 7/2.59 | 13    | 63,2  | 36,9  | 100,1 | 463    | 52,79  | 0,4568 | 246 |
| 73 - AL1/43 - ST1A  | Horse    | 70  | 12/2.79 | 7/2.79 | 13,95 | 73,37 | 42,83 | 116,2 | 538    | 61,2   | 0,3936 | 268 |
| 75 - AL1/13 - ST1A  | Beaver   | -   | 6/3.99  | 1/3.99 | 12    | 75    | 12,5  | 87,5  | 302,9  | 25,76  | 0,382  | 193 |
| 79 - AL1/13 - ST1A  | Raccoon  | -   | 6/4.10  | 1/4.10 | 12,3  | 78,8  | 13,1  | 92,4  | 318,3  | 27,06  | 0,3635 | 231 |
| 84 - AL1/14 - ST1A  | Otter    | -   | 6/4.22  | 1/4.22 | 12,7  | 83,9  | 14    | 97,9  | 338,8  | 28,81  | 0,3415 | 240 |
| 95 - AL1/16 - ST1A  | Cat      | -   | 6/4.50  | 1/4.50 | 13,5  | 95,4  | 15,9  | 111,3 | 385,3  | 32,76  | 0,3003 | 248 |
| 105 - AL1/17 - ST1A | Hare     | -   | 6/4.72  | 1/4.72 | 14,2  | 105   | 17,5  | 122,5 | 423,8  | 36,04  | 0,273  | 273 |
| 105 - AL1/14 - ST1A | Dog      | 100 | 6/4.72  | 7/1.57 | 14,15 | 105   | 13,5  | 118,5 | 394    | 32,7   | 0,2733 | 278 |
| 131 - AL1/7 - ST1A  | Tiger    | -   | 30/2.36 | 7/2.36 | 16,5  | 131,2 | 30,6  | 161,8 | 602,2  | 57,87  | 0,2202 | 323 |
| 132 - AL1/14 - ST1A | Coyote   | -   | 26/2.54 | 7/1.91 | 15,9  | 131,7 | 20,1  | 151,8 | 520,7  | 45,86  | 0,2192 | 311 |
| 132 - AL1/20 - ST1A | Cougar   | -   | 18/3.05 | 1/3.05 | 15,3  | 131,5 | 7,31  | 138,8 | 418,8  | 29,74  | 0,2188 | 314 |
| 158 - AL1/31 - ST1A | Wolf     | 150 | 30/2.59 | 7/2.59 | 18,13 | 158,1 | 36,8  | 194,9 | 726    | 69,2   | 0,1828 | 355 |
| 159 - AL1/37 - ST1A | Dingo    | 150 | 18/3.35 | 1/3.35 | 16,75 | 158,7 | 8,8   | 167,5 | 506    | 35,7   | 0,1815 | 349 |
| 183 - AL1/9 - ST1A  | Lynx     | 175 | 30/2.79 | 7/2.79 | 19,53 | 183,4 | 42,8  | 226,2 | 842    | 79,8   | 0,1576 | 386 |
| 184 - AL1/2 - ST1A  | Caracal  | 175 | 18/3.61 | 1/3.61 | 18,05 | 184,3 | 10,2  | 194,5 | 587    | 41,1   | 0,1563 | 383 |
| 211 - AL1/4 - ST1A  | Jaguar   | 200 | 18/3.86 | 1/3.86 | 19,3  | 210,6 | 11,7  | 222,3 | 671    | 46,55  | 0,1367 | 415 |
| 212 - AL1/3 - ST1A  | Panther  | 200 | 30/3.00 | 7/3.00 | 21    | 212,1 | 49,2  | 261,5 | 974    | 92,25  | 0,1363 | 421 |
| 238 - AL1/5 - ST1A  | Lion     | -   | 30/3.18 | 7/3.18 | 22,3  | 238,3 | 55,6  | 293,9 | 1093,4 | 100,47 | 0,1213 | 448 |
| 264 - AL1/6 - ST1A  | Bear     | -   | 30/3.35 | 7/3.35 | 23,5  | 264,4 | 61,7  | 326,1 | 1213,4 | 111,5  | 0,1093 | 481 |
| 324 - AL1/7 - ST1A  | Goat     | -   | 30/3.71 | 7/3.71 | 26    | 324,3 | 75,7  | 400   | 1488,2 | 135,13 | 0,0891 | 542 |
| 374 - AL1/11 - ST1A | Antelope | -   | 54/2.97 | 7/2.97 | 26,7  | 374,1 | 48,5  | 422,6 | 1413,8 | 118,88 | 0,0773 | 588 |
| 375 - AL1/9 - ST1A  | Sheep    | -   | 30/3.99 | 7/3.99 | 27,9  | 375,1 | 87,5  | 462,6 | 1721,3 | 156,3  | 0,0771 | 592 |
| 382 - AL1/37 - ST1A | Bison    | -   | 54/3.00 | 7/3.00 | 27    | 381,7 | 49,5  | 431,2 | 1442,5 | 121,3  | 0,0758 | 595 |
| 429 - AL1/43 - ST1A | Zebra    | 400 | 54/3.18 | 7/3.18 | 28,62 | 428,9 | 55,6  | 484,5 | 1621   | 131,9  | 0,0674 | 635 |
| 430 - AL1/13 - ST1A | Deer     | -   | 30/4.27 | 7/4.27 | 29,9  | 429,6 | 100,2 | 529,8 | 1971,4 | 179    | 0,0673 | 639 |
| 477 - AL1/13 - ST1A | Elk      | -   | 30/4.50 | 7/4.50 | 31,5  | 477,1 | 111,3 | 588,4 | 2189,5 | 198,8  | 0,0606 | 679 |
| 476 - AL1/14 - ST1A | Camel    | -   | 54/3.35 | 7/3.35 | 30,2  | 476   | 61,7  | 537,7 | 1798,8 | 146,4  | 0,0608 | 677 |
| 528 - AL1/16 - ST1A | Moose    | -   | 54/3.53 | 7/3.53 | 31,8  | 528,5 | 68,5  | 597   | 1997,3 | 159,92 | 0,0547 | 763 |



# ACSR

Standart  
TS EN 50182

## Teknik Özellikler

### ACSR RUS STANDARDI / RUSSIAN STANDARDS

#### GOST (ГОСТ 839-80)

| Kod         | Tel Sayısı ve Tel Çapı   |           | Çap      |       | Kesit Alanı   |        |        | Net Ağırlık<br>(Yaklaşık) | Kopma<br>Yükü    | D.A.<br>Direnci  |
|-------------|--------------------------|-----------|----------|-------|---------------|--------|--------|---------------------------|------------------|------------------|
|             | Number and Wire Diameter |           | Diameter |       | Cross Section |        |        |                           |                  |                  |
| Code        | Alüminyum                | Çelik     | İletken  | Öz    | Alüminyum     | Çelik  | Toplam | Net<br>Weight<br>(Approx) | Rated<br>Stenght | DC<br>Resistance |
|             | Aluminium                | Steel     | Cond.    | Core  | Aluminium     | Steel  | Total  |                           |                  |                  |
| -           | mm                       | mm        | mm       | mm    | kg / km       | kN     | ohm/km | kg / km                   | kN               | ohm/km           |
| 10/1.8      | 6 / 1.50                 | 1 / 1.50  | 4,5      | 1,5   | 10,6          | 1,77   | 12,37  | 42,7                      | 4089             | 27,064           |
| 16/2.7      | 6 / 1.85                 | 1 / 1.85  | 5,6      | 1,9   | 16,13         | 2,69   | 18,82  | 64,9                      | 6220             | 17,818           |
| 25/4.2      | 6 / 2.30                 | 1 / 2.30  | 6,9      | 2,3   | 24,93         | 4,15   | 29,08  | 100,3                     | 9296             | 11,521           |
| 35 / 6.2    | 6 / 2.80                 | 1 / 2.80  | 8,4      | 2,8   | 36,95         | 6,16   | 43,1   | 148                       | 13524            | 0,7774           |
| 40 / 6.7    | 6 / 2.91                 | 1 / 2.91  | 8,74     | 2,91  | 39,91         | 6,65   | 46,56  | 161,3                     | 14400            | 0,7172           |
| 50 / 8.0    | 6 / 3.20                 | 1 / 3.20  | 9,6      | 3,2   | 48,25         | 8,04   | 56,3   | 195                       | 17112            | 0,5951           |
| 63 / 10.5   | 6 / 3.66                 | 1 / 3.66  | 10,97    | 3,66  | 63,13         | 10,52  | 73,65  | 254                       | 21630            | 0,4553           |
| 70 / 11     | 6 / 3.80                 | 1 / 3.80  | 11,4     | 3,8   | 68,05         | 11,34  | 79,39  | 276                       | 24130            | 0,4218           |
| 70 / 12     | 18 / 2.20                | 19 / 2.20 | 15,4     | 11    | 68,42         | 72,23  | 140,65 | 755                       | 96826            | 0,4194           |
| 95 / 16     | 6 / 4.50                 | 1 / 4.50  | 13,5     | 4,5   | 95,43         | 15,9   | 111,33 | 385                       | 33369            | 0,3007           |
| 95/141      | 24 / 2.20                | 37 / 2.20 | 19,8     | 15,4  | 91,23         | 140,65 | 231,88 | 1357                      | 180775           | 0,3146           |
| 100 / 16.7  | 6 / 4.61                 | 1 / 4.61  | 13,82    | 4,61  | 100,15        | 16,69  | 116,84 | 403,2                     | 34333            | 0,7868           |
| 120 / 19    | 26 / 2.40                | 7 / 1.85  | 15,2     | 5,6   | 117,62        | 18,82  | 136,44 | 471                       | 41521            | 0,244            |
| 120 / 27    | 30 / 2.20                | 7 / 2.20  | 15,4     | 6,6   | 114,04        | 26,61  | 140,65 | 528                       | 49465            | 0,2531           |
| 125 / 6.9   | 18 / 2.97                | 1 / 2.97  | 14,67    | 2,97  | 124,7         | 6,93   | 131,63 | 397,9                     | 29167            | 0,2304           |
| 125 / 20.4  | 26 / 2.47                | 7 / 1.92  | 15,67    | 5,77  | 124,58        | 20,27  | 144,85 | 503,5                     | 45694            | 0,2308           |
| 150 / 19    | 24 / 2.80                | 7 / 1.85  | 16,8     | 5,6   | 147,78        | 18,82  | 166,6  | 554                       | 46307            | 0,2046           |
| 150 / 24    | 26 / 2.70                | 7 / 2.10  | 17,1     | 6,3   | 148,86        | 24,25  | 173,11 | 599                       | 52279            | 0,2049           |
| 150 / 34    | 30 / 2.50                | 7 / 2.50  | 17,5     | 7,5   | 147,26        | 34,36  | 181,62 | 675                       | 62643            | 0,2061           |
| 160 / 8.9   | 18 / 3.36                | 1 / 3.36  | 16,82    | 3,36  | 159,6         | 8,87   | 168,47 | 509,4                     | 36178            | 0,18             |
| 160 / 26.1  | 26 / 2.80                | 7 / 2.18  | 17,74    | 6,53  | 160,1         | 26,13  | 186,22 | 644,5                     | 57689            | 0,1803           |
| 185 / 24    | 24 / 3.15                | 7 / 2.10  | 18,9     | 6,3   | 187,04        | 24,25  | 211,28 | 705                       | 58075            | 0,154            |
| 185 / 29    | 26 / 2.98                | 7 / 2.30  | 18,8     | 6,9   | 181,34        | 29,08  | 210,42 | 728                       | 62055            | 0,1591           |
| 185 / 43    | 30 / 2.80                | 7 / 2.80  | 19,6     | 8,4   | 184,73        | 43,1   | 227,83 | 846                       | 77767            | 0,1559           |
| 185 / 128   | 54 / 2.10                | 37 / 2.10 | 23,1     | 14,7  | 187,04        | 128,15 | 315,19 | 1525                      | 183816           | 0,1543           |
| 200 / 11.1  | 18 / 3.76                | 1 / 3.76  | 18,81    | 3,76  | 199,87        | 11,1   | 210,97 | 636,7                     | 44222            | 0,144            |
| 200 / 32.6  | 26 / 3.13                | 7 / 2.43  | 19,82    | 7,3   | 200,06        | 32,46  | 232,52 | 805,6                     | 70134            | 0,1442           |
| 205 / 27    | 24 / 3.30                | 7 / 2.20  | 19,8     | 6,6   | 205,27        | 26,61  | 231,88 | 846                       | 63740            | 0,1407           |
| 240 / 32    | 24 / 3.60                | 7 / 2.40  | 21,6     | 7,2   | 244,29        | 31,67  | 275,96 | 921                       | 75050            | 0,1182           |
| 240 / 39    | 26 / 3.40                | 7 / 2.65  | 21,6     | 8     | 236,06        | 38,61  | 274,67 | 952                       | 80895            | 0,1222           |
| 240 / 56    | 30 / 3.20                | 7 / 3.20  | 22,4     | 9,6   | 241,27        | 56,3   | 297,57 | 1106                      | 98253            | 0,1197           |
| 300 / 39    | 24 / 4.00                | 7 / 2.65  | 24       | 8     | 301,59        | 38,61  | 340,2  | 1132                      | 90574            | 0,0958           |
| 300 / 48    | 26 / 3.80                | 7 / 2.95  | 24,1     | 8,9   | 294,87        | 47,84  | 342,72 | 1186                      | 100623           | 0,0978           |
| 300 / 66    | 30 / 3.50                | 19 / 2.10 | 24,5     | 10,5  | 288,63        | 65,81  | 354,44 | 1313                      | 117520           | 0,1              |
| 300 / 67    | 30 / 3.50                | 7 / 3.50  | 24,5     | 10,5  | 288,63        | 67,35  | 355,98 | 1323                      | 126270           | 0,1              |
| 300 / 204   | 54 / 2.65                | 37 / 2.65 | 29,2     | 18,6  | 297,84        | 204,07 | 501,91 | 2428                      | 284579           | 0,0968           |
| 315 / 21.8  | 45 / 2.99                | 7 / 1.99  | 23,83    | 5,97  | 315,97        | 21,77  | 337,74 | 1039,2                    | 79030            | 0,0917           |
| 315 / 51.3  | 26 / 3.93                | 7 / 3.05  | 24,87    | 9,16  | 315,39        | 51,14  | 366,53 | 1268,9                    | 106834           | 0,0916           |
| 330 / 30    | 48 / 2.98                | 7 / 2.30  | 24,8     | 6,9   | 334,78        | 29,08  | 363,87 | 1152                      | 88848            | 0,0861           |
| 330 / 43    | 54 / 2.80                | 7 / 2.80  | 25,2     | 8,4   | 332,51        | 43,1   | 375,61 | 1255                      | 103784           | 0,0869           |
| 400 / 27.7  | 45 / 3.36                | 7 / 2.24  | 26,91    | 6,73  | 399,01        | 27,59  | 426,59 | 1319,7                    | 93356            | 0,0722           |
| 400 / 51.9  | 54 / 3.07                | 7 / 3.07  | 27,64    | 9,21  | 399,73        | 51,82  | 451,54 | 1509,7                    | 123037           | 0,0722           |
| 400 / 18    | 42 / 3.40                | 7 / 1.85  | 26       | 5,6   | 381,33        | 18,82  | 400,14 | 1199                      | 85600            | 0,0758           |
| 400 / 51    | 54 / 3.05                | 7 / 3.05  | 27,5     | 9,2   | 394,53        | 51,14  | 445,68 | 1490                      | 120481           | 0,0733           |
| 400 / 64    | 26 / 4.37                | 7 / 3.40  | 27,7     | 10,2  | 389,97        | 63,55  | 453,52 | 1572                      | 129183           | 0,0741           |
| 400 / 93    | 30 / 4.15                | 19 / 2.50 | 29,1     | 12,5  | 405,8         | 93,27  | 499,06 | 1851                      | 173715           | 0,0711           |
| 450 / 31.1  | 45 / 3.57                | 7 / 2.38  | 28,55    | 7,14  | 450,44        | 31,14  | 481,58 | 1484,6                    | 107467           | 0,0646           |
| 450 / 58.3  | 54 / 3.26                | 7 / 3.26  | 29,32    | 9,77  | 450,73        | 58,43  | 509,16 | 1698,4                    | 138417           | 0,0642           |
| 450 / 56    | 54 / 3.20                | 7 / 3.20  | 28,8     | 9,6   | 434,29        | 56,3   | 490,59 | 1640                      | 131370           | 0,0666           |
| 500 / 34.6  | 45 / 3.76                | 7 / 2.51  | 30,09    | 7,52  | 499,67        | 34,64  | 534,3  | 1649,6                    | 119407           | 0,0577           |
| 500 / 64.8  | 54 / 3.43                | 7 / 3.43  | 30,9     | 10,3  | 498,97        | 64,68  | 563,65 | 1887,1                    | 153796           | 0,0578           |
| 500 / 26    | 42 / 3.90                | 7 / 2.20  | 30       | 6,6   | 501,73        | 26,61  | 528,34 | 1592                      | 112548           | 0,0575           |
| 500 / 64    | 54 / 3.40                | 7 / 3.40  | 30,6     | 10,2  | 490,28        | 63,55  | 553,83 | 1852                      | 148257           | 0,0588           |
| 550 / 71    | 54 / 3.60                | 7 / 3.60  | 32,4     | 10,8  | 549,65        | 71,25  | 620,91 | 2076                      | 166164           | 0,0526           |
| 560 / 38.7  | 45 / 3.98                | 7 / 2.65  | 31,84    | 7,96  | 559,85        | 38,61  | 598,46 | 1847,5                    | 133736           | 0,0515           |
| 560 / 70.9  | 54 / 3.63                | 19 / 2.18 | 32,7     | 10,9  | 558,85        | 70,92  | 629,77 | 2102,2                    | 175592           | 0,0516           |
| 600 / 72    | 54 / 3.70                | 19 / 2.20 | 33,2     | 11    | 580,61        | 72,23  | 652,84 | 2170                      | 183835           | 0,0498           |
| 630 / 43.6  | 45 / 4.22                | 7 / 2.81  | 33,79    | 8,44  | 629,4         | 43,41  | 672,81 | 2078,5                    | 150453           | 0,0458           |
| 630 / 79.8  | 54 / 3.85                | 19 / 2.31 | 34,69    | 11,56 | 628,65        | 79,63  | 708,27 | 2365                      | 191772           | 0,0459           |
| 710 / 49.1  | 45 / 4.48                | 7 / 2.99  | 35,86    | 8,96  | 709,35        | 49,15  | 758,5  | 2342,4                    | 169559           | 0,0406           |
| 710 / 89.9  | 54 / 4.09                | 19 / 2.45 | 36,82    | 12,27 | 709,47        | 89,57  | 799,04 | 2665,3                    | 216214           | 0,0407           |
| 800 / 101.3 | 54 / 4.34                | 19 / 2.61 | 39,09    | 13,03 | 798,85        | 101,65 | 900,5  | 3003,2                    | 243520           | 0,0361           |