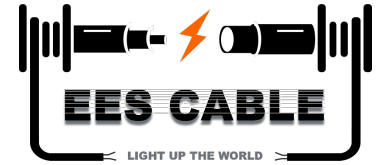


# AS 1531

All Aluminum Alloy 6201-T81  
Conductors ( AAAC )



| Code Name | Area Actual     | Equivalent Copper Area | Stranding | Overall Diameter | Weight | Rated Strength | Maximum DC Resistance at 20oC |
|-----------|-----------------|------------------------|-----------|------------------|--------|----------------|-------------------------------|
|           | mm <sup>2</sup> | mm <sup>2</sup>        | N° / mm   | mm               | kg/km  | kN             | Ω/km                          |
| Diamond   | 34.36           | 18.0                   | 7/2.50    | 7.50             | 94.3   | 9.64           | 0.967                         |
| Dolomite  | 41.58           | 21.8                   | 7/2.75    | 8.25             | 113    | 11.6           | 0.799                         |
| Emerald   | 49.48           | 26.0                   | 7/3.00    | 9.00             | 135    | 13.9           | 0.671                         |
| Garnet    | 77.28           | 40.6                   | 7/3.75    | 11.3             | 211    | 21.7           | 0.430                         |
| Jade      | 111.3           | 58.4                   | 7/4.50    | 13.5             | 304    | 31.2           | 0.298                         |
| Jasper    | 124.0           | 65.1                   | 7/4.75    | 14.3             | 339    | 34.8           | 0.268                         |
| Opal      | 157.6           | 82.7                   | 19/3.25   | 16.3             | 433    | 44.2           | 0.212                         |
| Patronite | 182.8           | 96.0                   | 19/3.50   | 17.5             | 503    | 51.3           | 0.183                         |
| Pearl     | 209.8           | 110.1                  | 19/3.75   | 18.8             | 576    | 58.8           | 0.159                         |
| Rutile    | 336.7           | 176.8                  | 19/4.75   | 23.8             | 924    | 94.4           | 0.0991                        |
| Ruby      | 261.6           | 137.3                  | 37/3.00   | 21.0             | 721    | 73.5           | 0.128                         |
| Ruthenium | 307.0           | 161.2                  | 37/3.25   | 22.8             | 845    | 86.1           | 0.109                         |
| Sapphire  | 408.5           | 214.5                  | 37/3.75   | 26.3             | 1120   | 115            | 0.0819                        |
| Spinel    | 506.1           | 265.7                  | 61/3.25   | 29.3             | 1400   | 135            | 0.0662                        |
| Tantalum  | 586.9           | 308.1                  | 61/3.50   | 31.5             | 1620   | 156            | 0.0572                        |
| Topaz     | 673.4           | 353.5                  | 61/3.75   | 33.8             | 1860   | 179            | 0.0498                        |