

# Spacer Cable Ampacity Table - AAC 75°C Conductors



## 75°C Black Conductors

| Conductor Size | 15 kV               |                        | 25 kV               |                        | 35kV                |                        | 46 kV               |                        | 69 kV               |                        |
|----------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|
|                | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> |
| 1/0 AWG        | 232                 | 289                    | 225                 | 280                    | 221                 | 276                    | 215                 | 269                    | -                   | -                      |
| 2/0 AWG        | 267                 | 332                    | 258                 | 322                    | 254                 | 318                    | 246                 | 309                    | -                   | -                      |
| 3/0 AWG        | 307                 | 383                    | 297                 | 371                    | 292                 | 366                    | 283                 | 356                    | -                   | -                      |
| 4/0 AWG        | 354                 | 442                    | 341                 | 428                    | 335                 | 421                    | 325                 | 410                    | 315                 | 399                    |
| 266.8 KCM      | 408                 | 511                    | 393                 | 494                    | 386                 | 486                    | 374                 | 472                    | 363                 | 460                    |
| 336.4 KCM      | 470                 | 590                    | 453                 | 570                    | 445                 | 561                    | 430                 | 544                    | 417                 | 530                    |
| 397.5 KCM      | 522                 | 656                    | 502                 | 633                    | 493                 | 622                    | 477                 | 604                    | 462                 | 587                    |
| 477.0 KCM      | 582                 | 734                    | 560                 | 707                    | 550                 | 696                    | 532                 | 675                    | 516                 | 656                    |
| 556.5 KCM      | 639                 | 807                    | 615                 | 778                    | 604                 | 765                    | 584                 | 742                    | 566                 | 722                    |
| 636.0 KCM      | 695                 | 879                    | 667                 | 846                    | 655                 | 831                    | 633                 | 806                    | 614                 | 783                    |
| 795.0 KCM      | 793                 | 1006                   | 764                 | 971                    | 750                 | 954                    | 724                 | 924                    | 702                 | 898                    |

<sup>1</sup>Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

<sup>2</sup>Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

## 75°C Gray Conductors

| Conductor Size | 15 kV               |                        | 25 kV               |                        | 35kV                |                        | 46 kV               |                        | 69 kV               |                        |
|----------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|
|                | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> |
| 1/0 AWG        | 235                 | 286                    | 230                 | 280                    | 227                 | 277                    | 222                 | 271                    | -                   | -                      |
| 2/0 AWG        | 270                 | 329                    | 264                 | 321                    | 260                 | 318                    | 254                 | 311                    | -                   | -                      |
| 3/0 AWG        | 311                 | 378                    | 303                 | 370                    | 299                 | 365                    | 292                 | 358                    | -                   | -                      |
| 4/0 AWG        | 358                 | 436                    | 348                 | 425                    | 344                 | 420                    | 336                 | 411                    | 328                 | 402                    |
| 266.8 KCM      | 413                 | 504                    | 401                 | 491                    | 396                 | 485                    | 386                 | 474                    | 377                 | 463                    |
| 336.4 KCM      | 475                 | 581                    | 462                 | 565                    | 456                 | 558                    | 444                 | 545                    | 433                 | 533                    |
| 397.5 KCM      | 527                 | 645                    | 512                 | 627                    | 505                 | 619                    | 492                 | 604                    | 479                 | 590                    |
| 477.0 KCM      | 588                 | 721                    | 571                 | 701                    | 563                 | 691                    | 548                 | 674                    | 535                 | 660                    |
| 556.5 KCM      | 645                 | 792                    | 627                 | 770                    | 618                 | 760                    | 602                 | 741                    | 587                 | 724                    |
| 636.0 KCM      | 702                 | 862                    | 680                 | 836                    | 670                 | 825                    | 652                 | 804                    | 636                 | 786                    |
| 795.0 KCM      | 801                 | 986                    | 778                 | 959                    | 767                 | 945                    | 746                 | 921                    | 727                 | 900                    |

<sup>1</sup>Normal Ampacity @ 75°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

<sup>2</sup>Emergency Ampacity @ 100°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 100°C Conductor Temperature

continued

# Spacer Cable Ampacity Table - AAC 90°C Conductors



## 90°C Black Conductors

| Conductor Size | 15 kV               |                        | 25 kV               |                        | 35kV                |                        | 46 kV               |                        | 69 kV               |                        |
|----------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|
|                | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> |
| 1/0 AWG        | 268                 | 307                    | 260                 | 298                    | 257                 | 294                    | 250                 | 287                    | -                   | -                      |
| 2/0 AWG        | 309                 | 353                    | 299                 | 343                    | 295                 | 338                    | 287                 | 329                    | -                   | -                      |
| 3/0 AWG        | 356                 | 407                    | 344                 | 395                    | 339                 | 389                    | 330                 | 379                    | -                   | -                      |
| 4/0 AWG        | 410                 | 470                    | 397                 | 455                    | 391                 | 448                    | 379                 | 436                    | 369                 | 425                    |
| 266.8 KCM      | 474                 | 544                    | 458                 | 526                    | 450                 | 518                    | 437                 | 503                    | 425                 | 490                    |
| 336.4 KCM      | 547                 | 629                    | 528                 | 607                    | 519                 | 597                    | 504                 | 580                    | 490                 | 565                    |
| 397.5 KCM      | 608                 | 699                    | 586                 | 674                    | 576                 | 663                    | 558                 | 644                    | 543                 | 626                    |
| 477.0 KCM      | 679                 | 783                    | 654                 | 754                    | 643                 | 742                    | 624                 | 720                    | 606                 | 701                    |
| 556.5 KCM      | 746                 | 861                    | 720                 | 830                    | 707                 | 816                    | 685                 | 792                    | 666                 | 770                    |
| 636.0 KCM      | 819                 | 938                    | 782                 | 903                    | 768                 | 887                    | 744                 | 860                    | 723                 | 837                    |
| 795.0 KCM      | 929                 | 1075                   | 897                 | 1037                   | 881                 | 1019                   | 853                 | 987                    | 828                 | 959                    |

<sup>1</sup>Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

<sup>2</sup>Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature

## 90°C Gray Conductors

| Conductor Size | 15 kV               |                        | 25 kV               |                        | 35kV                |                        | 46 kV               |                        | 69 kV               |                        |
|----------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|---------------------|------------------------|
|                | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> | Normal <sup>1</sup> | Emergency <sup>2</sup> |
| 1/0 AWG        | 268                 | 302                    | 262                 | 296                    | 259                 | 293                    | 253                 | 287                    | -                   | -                      |
| 2/0 AWG        | 308                 | 347                    | 300                 | 340                    | 297                 | 336                    | 291                 | 329                    | -                   | -                      |
| 3/0 AWG        | 354                 | 400                    | 346                 | 391                    | 342                 | 387                    | 334                 | 378                    | -                   | -                      |
| 4/0 AWG        | 408                 | 461                    | 398                 | 450                    | 393                 | 445                    | 384                 | 435                    | 376                 | 426                    |
| 266.8 KCM      | 471                 | 533                    | 458                 | 519                    | 453                 | 513                    | 442                 | 502                    | 432                 | 491                    |
| 336.4 KCM      | 543                 | 615                    | 528                 | 599                    | 521                 | 591                    | 509                 | 578                    | 497                 | 565                    |
| 397.5 KCM      | 602                 | 683                    | 585                 | 664                    | 578                 | 656                    | 564                 | 640                    | 551                 | 626                    |
| 477.0 KCM      | 673                 | 764                    | 654                 | 742                    | 645                 | 733                    | 629                 | 715                    | 615                 | 699                    |
| 556.5 KCM      | 739                 | 839                    | 718                 | 816                    | 709                 | 805                    | 691                 | 786                    | 675                 | 768                    |
| 636.0 KCM      | 804                 | 914                    | 780                 | 887                    | 769                 | 875                    | 750                 | 853                    | 732                 | 834                    |
| 795.0 KCM      | 919                 | 1046                   | 894                 | 1017                   | 881                 | 1003                   | 858                 | 977                    | 838                 | 955                    |

<sup>1</sup>Normal Ampacity @ 90°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

<sup>2</sup>Emergency Ampacity @ 110°C Conductor Temperature, 25°C Ambient Temperature, 2 ft/sec Wind, Sun

Hendrix Cable will not suffer plastic flow from short term (48 hours) overloads up to 110°C Conductor Temperature