

Covered Conductors - Spacer Cable Systems

Description:

Covered conductors consist of stranded hard drawn aluminium conductors with either one, two or three extruded layers depending on the voltage rating. Covered conductors are available in black or gray depending on visual preference.

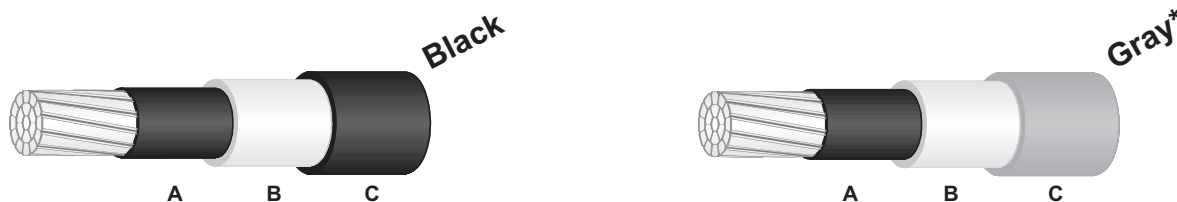
Benefits:

- Covering prevents faults due to contact
- Proprietary, high density outer layer resists abrasion, electrical tracking and UV degradation.
- Reduced NESC phase spacing is possible due to high impulse strength covering.

Application:

Covered conductors are designed to be used in spacer cable systems. Conductors are suspended from the messenger using Hendrix polyethylene spacers. Covered conductors are rated for continuous operation at 75°C.

15kV TP



A 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)

B 0.075" Natural Low Density Polyethylene (0.080" for 795 kcmil)

C 0.075" Black or Gray Track Resistant High Density Polyethylene (0.080" for 795 kcmil)

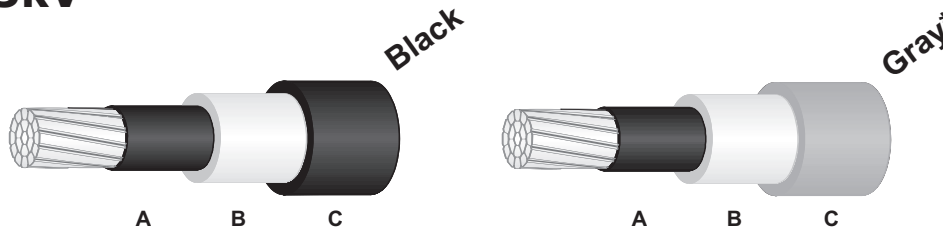
| Catalog Number | Size | Strands | Type | Conductor Diameter (in) | Finished Cable Diameter (in) | Cable Weight (lbs/1000 ft) |
|----------------|-------------|---------|---------|-------------------------|------------------------------|----------------------------|
| S0002RA15B3-00 | #2 AWG | 7 | Round | 0.292 | 0.622 | 170 |
| S0010PA15B3-00 | 1/0 AWG | 7 | Compact | 0.336 | 0.666 | 215 |
| S0020PA15B3-00 | 2/0 AWG | 7 | Compact | 0.376 | 0.706 | 251 |
| S0030PA15B3-00 | 3/0 AWG | 7 | Compact | 0.423 | 0.753 | 297 |
| S0040PA15B3-00 | 4/0 AWG | 7 | Compact | 0.475 | 0.805 | 351 |
| S0266PA15B3-00 | 266.8 kcmil | 7 | Compact | 0.537 | 0.867 | 416 |
| S0336PA15B3-00 | 336.4 kcmil | 19 | Compact | 0.603 | 0.933 | 497 |
| S0397PA15B3-00 | 397.5 kcmil | 19 | Compact | 0.659 | 0.989 | 568 |
| S0477PA15B3-00 | 477.0 kcmil | 19 | Compact | 0.722 | 1.062 | 662 |
| S0556PA15B3-00 | 556.5 kcmil | 19 | Compact | 0.780 | 1.120 | 752 |
| S0636PA15B3-00 | 636.0 kcmil | 19 | Compact | 0.835 | 1.175 | 839 |
| S0795PA15B3-00 | 795.0 kcmil | 19 | Compact | 0.932 | 1.292 | 1,049 |

* Substitute G for B in the catalog number for a Gray outer layer.

continued

Covered Conductors – Spacer Cable Systems

25kV

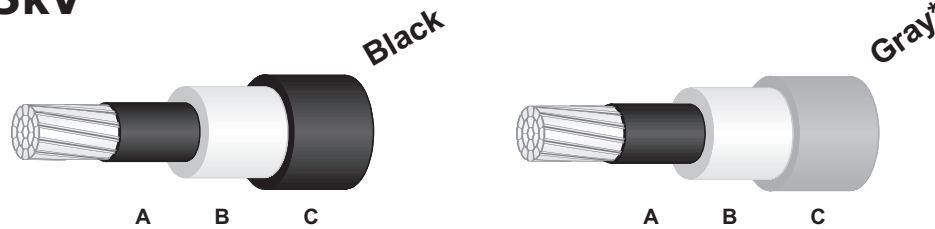


- A** 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B** 0.125" Natural Low Density Polyethylene
- C** 0.125" Black or Gray* Track Resistant High Density Polyethylene

| Catalog Number | Size | Strands | Type | Conductor Diameter (in) | Finished Cable Diameter (in) | Cable Weight (lbs/1000 ft) |
|----------------|-------------|---------|---------|-------------------------|------------------------------|----------------------------|
| S0002RA25B3-00 | #2 AWG | 7 | Round | 0.292 | 0.822 | 270 |
| S0010PA25B3-00 | 1/0 AWG | 7 | Compact | 0.336 | 0.866 | 321 |
| S0020PA25B3-00 | 2/0 AWG | 7 | Compact | 0.376 | 0.906 | 363 |
| S0030PA25B3-00 | 3/0 AWG | 7 | Compact | 0.423 | 0.953 | 414 |
| S0040PA25B3-00 | 4/0 AWG | 7 | Compact | 0.475 | 1.005 | 476 |
| S0266PA25B3-00 | 266.8 kcmil | 7 | Compact | 0.537 | 1.067 | 550 |
| S0336PA25B3-00 | 336.4 kcmil | 19 | Compact | 0.603 | 1.133 | 640 |
| S0397PA25B3-00 | 397.5 kcmil | 19 | Compact | 0.659 | 1.189 | 718 |
| S0477PA25B3-00 | 477.0 kcmil | 19 | Compact | 0.722 | 1.262 | 815 |
| S0556PA25B3-00 | 556.5 kcmil | 19 | Compact | 0.780 | 1.320 | 912 |
| S0636PA25B3-00 | 636.0 kcmil | 19 | Compact | 0.835 | 1.375 | 1,005 |
| S0795PA25B3-00 | 795.0 kcmil | 19 | Compact | 0.932 | 1.472 | 1,211 |

* Substitute G for B in the catalog number for a Gray outer layer.

35kV



- A** 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B** 0.175" Natural Low Density Polyethylene
- C** 0.125" Black or Gray Track Resistant High Density Polyethylene

| Catalog Number | Size | Strands | Type | Conductor Diameter (in) | Finished Cable Diameter (in) | Cable Weight (lbs/1000 ft) |
|----------------|-------------|---------|---------|-------------------------|------------------------------|----------------------------|
| S0010PA35B3-00 | 1/0 AWG | 7 | Compact | 0.336 | 0.966 | 384 |
| S0020PA35B3-00 | 2/0 AWG | 7 | Compact | 0.376 | 1.006 | 429 |
| S0030PA35B3-00 | 3/0 AWG | 7 | Compact | 0.423 | 1.053 | 483 |
| S0040PA35B3-00 | 4/0 AWG | 7 | Compact | 0.475 | 1.105 | 548 |
| S0266PA35B3-00 | 266.8 kcmil | 7 | Compact | 0.537 | 1.167 | 625 |
| S0336PA35B3-00 | 336.4 kcmil | 19 | Compact | 0.603 | 1.233 | 721 |
| S0397PA35B3-00 | 397.5 kcmil | 19 | Compact | 0.659 | 1.289 | 803 |
| S0477PA35B3-00 | 477.0 kcmil | 19 | Compact | 0.722 | 1.362 | 903 |
| S0556PA35B3-00 | 556.5 kcmil | 19 | Compact | 0.780 | 1.420 | 1,004 |
| S0636PA35B3-00 | 636.0 kcmil | 19 | Compact | 0.835 | 1.475 | 1,102 |
| S0795PA35B3-00 | 795.0 kcmil | 19 | Compact | 0.932 | 1.572 | 1,315 |

* Substitute G for B in the catalog number for a Gray outer layer.

continued

Covered Conductors – Spacer Cable Systems

46kV



- A** 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B** 0.225" Natural Low Density Polyethylene
- C** 0.175" Black or Gray Track Resistant High Density Polyethylene

| Catalog Number | Size | Strands | Type | Conductor Diameter (in) | Finished Cable Diameter (in) | Cable Weight (lbs/1000 ft) |
|----------------|-------------|---------|---------|-------------------------|------------------------------|----------------------------|
| S0010PA46B3-00 | 1/0 AWG | 7 | Compact | 0.336 | 1.166 | 509 |
| S0020PA46B3-00 | 2/0 AWG | 7 | Compact | 0.376 | 1.206 | 557 |
| S0030PA46B3-00 | 3/0 AWG | 7 | Compact | 0.423 | 1.253 | 616 |
| S0040PA46B3-00 | 4/0 AWG | 7 | Compact | 0.475 | 1.305 | 687 |
| S0266PA46B3-00 | 266.8 kcmil | 7 | Compact | 0.537 | 1.367 | 773 |
| S0336PA46B3-00 | 336.4 kcmil | 19 | Compact | 0.603 | 1.433 | 874 |
| S0397PA46B3-00 | 397.5 kcmil | 19 | Compact | 0.659 | 1.489 | 963 |
| S0477PA46B3-00 | 477.0 kcmil | 19 | Compact | 0.722 | 1.562 | 1,091 |
| S0556PA46B3-00 | 556.5 kcmil | 19 | Compact | 0.780 | 1.620 | 1,198 |
| S0636PA46B3-00 | 636.0 kcmil | 19 | Compact | 0.835 | 1.675 | 1,314 |
| S0795PA46B3-00 | 795.0 kcmil | 19 | Compact | 0.932 | 1.772 | 1,511 |

* Substitute G for B in the catalog number for a Gray outer layer.