

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.

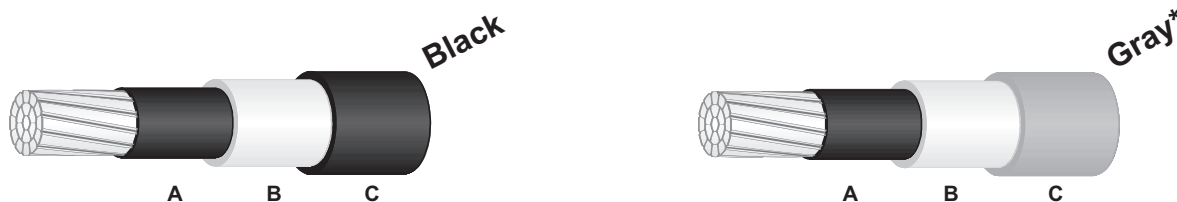
Benefits:

- 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)

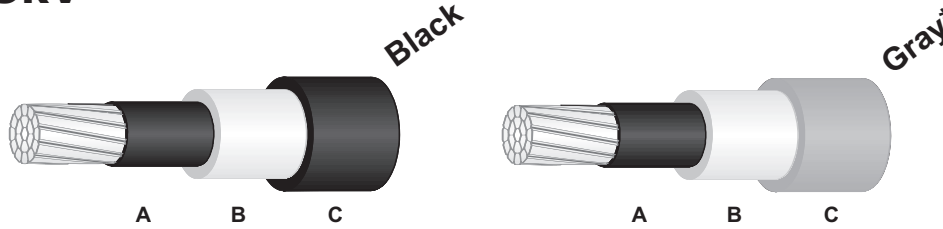
Catalog Number	Size	Strands	Type	Conductor Diameter (in)	Finished Cable Diameter (in)	Cable Weight (lbs/1000 ft)
S0002RA15B3-00	#2 AWG	7	Round	0.292	0.622	170
S0010PA15B3-00	1/0 AWG	7	Compact	0.336	0.666	215
S0020PA15B3-00	2/0 AWG	7	Compact	0.376	0.706	251
S0030PA15B3-00	3/0 AWG	7	Compact	0.423	0.753	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

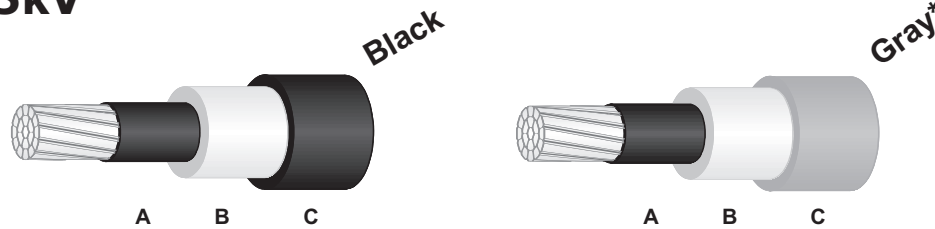


- A** 0.015" Semiconducting Polyethylene (0.020" for 477 kcmil and larger)
- B** 0.125" Natural Low Density Polyethylene
- C** 0.125" Black or Gray* Track Resistant High Density Polyethylene

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.