

AeroPOWER™ High Performance Aerospace Power Cables

AeroPOWER™ Cables are designed to provide reliable power to In-Flight Entertainment and Connectivity (IFEC) networks while meeting the FAR 25 airworthiness requirements needed in-flight. Ideal for applications such as in-seat power receptacles, USB jacks, cabin controls, cabin lighting, satellite communications and other aerospace electrical systems.

Benefits

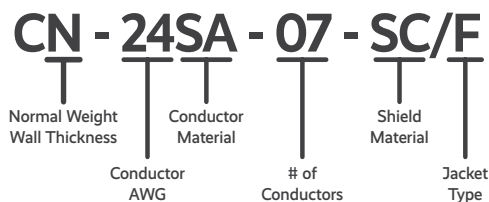
- » Light weight and small diameter
- » ARC tracking propagation resistant
- » Abrasion resistant
- » Fluid resistant
- » Meets 4 minute smoke and toxicity requirements
- » Meets FAR 25 flammability requirements
- » 200 C rated cable¹
- » Meets Airbus V2 requirements²

Construction

Conductors	24 AWG: Silver-plated Copper Alloy
	22 -16 AWG: Silver-plated Copper
Insulation	Composite FP/Polyimide/FP Tape plus PFTF Tape
Cable	Primary wires cabled together (filler added if necessary)
Shield	Silver-plated Copper Braid
Jacket	Extruded Fluoropolymer



Part Number Description



Cable Options

Part No.	Number of Conductors	Size (AWG)	Conductor Diameter (Nom)	Conductor Resistance at 20 C (ohms/1000ft) Max	Insulation Diameter (Nom)	Cable Diameter (Nom)	Cable Weight (lbs/1000ft) Nom
CN-24SA-07-SC/F	7	24	0.0235 in	30.1	0.039 in	0.168 in	28.4
CN-22SC-07-SC/F		22	0.0293 in	15.1	0.045 in	0.187 in	36.9
CN-20SC-07-SC/F		20	0.0374 in	9.19	0.053 in	0.213 in	51.1
CN-18SC-07-SC/F		18	0.0465 in	5.79	0.062 in	0.242 in	70.5
CN-16SC-07-SC/F		16	0.0526 in	4.52	0.070 in	0.268 in	86.8
CN-24SA-06-SC/F	6	24	0.0235 in	30.1	0.039 in	0.159 in	24.9
CN-22SC-06-SC/F		22	0.0293 in	15.1	0.045 in	0.176 in	32.1
CN-20SC-06-SC/F		20	0.0374 in	9.19	0.053 in	0.201 in	44.1
CN-18SC-06-SC/F		18	0.0465 in	5.79	0.062 in	0.228 in	60.7
CN-16SC-06-SC/F		16	0.0526 in	4.52	0.070 in	0.252 in	74.6
CN-24SA-05-SC/F	5	24	0.0235 in	30.1	0.039 in	0.147 in	21.2
CN-22SC-05-SC/F		22	0.0293 in	15.1	0.045 in	0.163 in	27.1
CN-20SC-05-SC/F		20	0.0374 in	9.19	0.053 in	0.185 in	37.1
CN-18SC-05-SC/F		18	0.0465 in	5.79	0.062 in	0.209 in	51.3
CN-16SC-05-SC/F		16	0.0526 in	4.52	0.070 in	0.231 in	62.1

¹200 C rated insulations systems are available upon request

²Airbus V5 compliance available on request