

SBX - Two Pole Battery Connector Specifications

Connector Model	SBX350
UL Current Rating (Ampere)*	350
UL Voltage Rating (Volts)**	600
Contact Barrel Wire Size Accomodation (AWG)*	2/0 to 4/0 300 mcm
Average Contact Resistance (Microhms)*	50
Millivolt Drop at Max. Current(mV)	17.50
Insulation withstanding Test voltage (Volts DC)	2200
Maximum Wire Insulation Diameter (inches)	1.10
Contact Retention Force (lbs)	500
Average Connection/Disconnection Force (lbs)	30
Connect/Disconnect Cycles a. No Load b. Under Load (Hot Plug)	10,000 ****
Operating Temperature Range (°C)***	-20° to 105°
Flammability Rating of Housing Material	

Color	Voltage Recommended	Color	Voltage Recommended
Yellow	12V	Blue	48V
Orange	18V	Green	72V
Red	24V	Black	80V
Gray	36V		

SBX® Connectors - Operating Characteristics* For largest 65 °C rated wire or cable size, ** Both AC and DC voltage, *** Contact factory for higher temperature rated connectors, **** Contact factory for hot plug capability data.