

BRONCO<sup>TM</sup>  
Brand

Premium Flexible  
Power Cable



PHILATRON

WIRE AND CABLE \* USA MANUFACTURER

[WWW.PHILATRON.COM](http://WWW.PHILATRON.COM)

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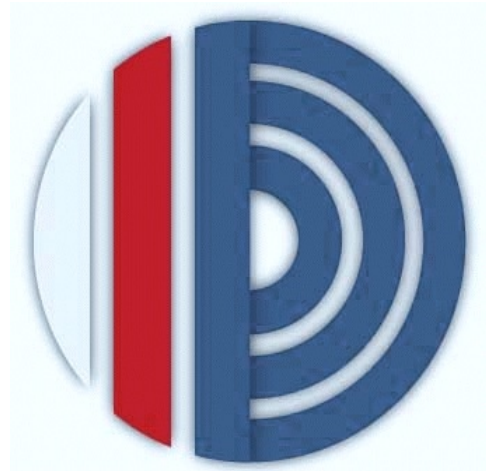
## BRONCO-HIDE™ Cable & Cord

*Bronco-Hide Cable & Cord are highly resistant to abrasion, cutting/tearing/ and crushing, and are jacketed with Philathane (polyurethane). UL Listed as +90° C to -40° C Specify by changing Part No. Suffix from "B" to "BH". Example - Bronco-125 to Bronco-Hide: Change P/N SEO123B to P/N SEO123BH. Not available in DLO cable.*

## BRONCO-FLEX™ Cable & Cord

*Bronco-Flex Cable & Cord are extra-flexible and more economical. UL Listed as +105° C to -40° C. Specify by changing Part No. Suffix from "B" to "BF". Example Bronco-125 to Bronco-Flex: Change P/N SEO123B to PN123BH. Not available in DLO cable.*

**To: BRONCO 125™ : +125°C to -65°C**



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WIRE AND CABLE \* USA MANUFACTURER

1974 To Present

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**From: BRONCO 66: +90°C to -40°C**



**WESTERN WIRE & CABLE**

1940 To 1970

# TO BRONCO 125™ / FROM BRONCO 66

**BRONCO 125™**



**Certified +125°C to -65°C**

The BRONCO 66 cable line was originally developed in the 1940's, and the BRONCO 66 trade name came to be synonymous with exceptional quality.

PHILATRON is a direct descent of the individuals who originally developed BRONCO 66 cables. With over 100 years of expertise in flexible power cables PHILATRON has embraced the concept of advancing *state-of-the-art* in wire, cable and a whole series of innovative new products meeting current and projected market demands in a wide range of industries.

As the technology of wire and cable has been refined over the years, PHILATRON is proud to introduce BRONCO 125™ in a whole new series of cables superior to BRONCO 66 cables.

In today's world of global activities, applications of cables in any climate of the world is critical to the integrity of your electrical system. If the cable fails your system fails. The cables you install to power your systems must be capable of withstanding environmental abuses of abrasion, heat, cold, petroleum, chemicals, and harsh handling.

BRONCO 125™ cables are designed to meet the challenges of your system anywhere in the world. These cables are extraordinarily tough with superior conductor's insulation and outer protecting jacket which exhibits the best physical properties in the industry.

BRONCO 125™ Mining Cables and Portable Power Cables are made of PHILATRON's exclusive proprietary thermoplastic vulcanizate (TPV) advanced synthetic rubber, that gives maximum protection from oil and other petroleum products, corrosive chemicals, ozone, flame, ultraviolet rays, abrasion, cutting, and crushing.

BRONCO 125™ cables gives you excellent flexibility and superior operating temperature ranges from +125°C to -65°C.

BRONCO 125™ value-to-cost ratio is very high. BRONCO 125™ cables are intended for users who requires maximum dependability with minimum replacement and down-time expenses.

BRONCO 125™ cables are engineered and manufactured to meet the applicable specifications of ASTM (American Society for Testing Materials), CSA (Canadian Standard Association), ICEA (Insulated Cable Engineers Association), MIL SPECS (US Military), MSHA (Mine Safety and Health Administration), NEC (National Electric Code), NEMA (National Electrical Manufacturers Association), OSHA (Occupational Safety and Health Administration), and UL (Underwriters Laboratories).

BRONCO 125™ cables are now available in the following constructions:

## **A**

Aerial Cables  
Aircraft Assembly Plants  
Portable Power Cables  
Aircraft Generator Cables  
Aircraft Ground Support  
Equipment  
Appliance Machine Wire  
Arc Welding Cable  
Arctic Special Purpose  
Automotive Primary Wire

## **B**

Battery Cable  
Boat Cable  
Booster Cables

## **C**

Camera Cable  
Coiled Cords & Cables  
Control Cable  
Crane Cable

## **D**

Diesel Locomotive Cable  
Direct Burial Cable  
Drop Cable

## **E**

Elevator Cables  
Extension Cords  
Entertainment Cable

## **F**

Festoon Cable  
Flexible Cord  
Flexible Power Cable

## **G**

G, & G-GC Cable  
Ground Wire

## **H**

Hospital Cable

## **I**

Industrial Control Cable  
Instrumentation Cable

## **L**

Lamp Cord  
Laser Control Cable  
Lighting Cable (Stage)  
Locomotive Cable

## **M**

Marine Cable

Medical Cable  
Microphone Cable  
Mil Spec 3432  
Mining Cable  
Motor Lead Wire  
Movie Industry Cable  
Multi-Conductors  
Music Instrument

## **N**

Navy Cable

## **O**

Oil Industry Cable  
Overhead Cable

## **P**

Parallel Power Cable  
PPE Cable  
Portable Power Cable

## **R**

Rail Road Cable  
Robotic Control Cable

## **S**

SEOWA, SJEOWA  
SEVTO

Stage Lighting Cable  
Submersible Pump Cable

## **T**

Trailer Cable

## **W**

W Cable  
Welding Cable

# BRONCO-125™

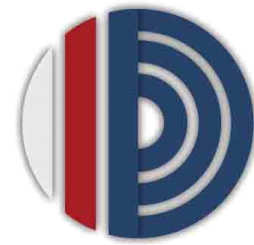
+125° C TO -65° C

Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber

## Test Report

BRONCO-125™ Provides Superior:

- Oil Resistance
  - High/Low Temperature
  - Heat Aging
  - Ozone Resistance
- Chemical Resistance
  - Abrasion Resistance
  - Mechanical Strength
  - Lighter Weight



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### ● LOWER TEMPERATURE FLEXIBILITY

BRONCO-125™ rubber flexible cord jackets resist cracking to lower temperatures than either *thermoset* Neoprene or *thermoset* rubber. The following are results of bend tests:

	BRONCO-125™ Type SEO	RUBBER Type S	NEOPRENE Type SO
Cold Bend @ -35°C	Pass	Pass	Pass
Cold Bend @ -50°C	Pass	Cracked	Cracked
Cold Bend @ -65°C	Pass	Cracked	Cracked

PHILAFIN™ cables & cords are UL rated at -50°C to +105C°.

### ● GREATER OZONE RESISTANCE

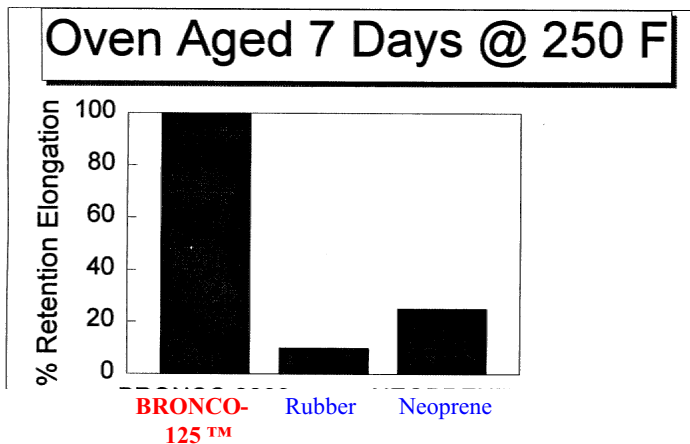
Ozone as generated around most electrical equipment can cause cracking in most conventional rubbers. BRONCO-125™ rubber has excellent resistance to cracking caused by ozone. Below are results of bent loop ozone aging tests of flexible cord jackets.

	BRONCO-125™ Type SEO	RUBBER Type S	NEOPRENE Type SO
Hours to Cracking	1,000	24	300

NOTE: OZONE EXPOSURE - 100pphm/100°F

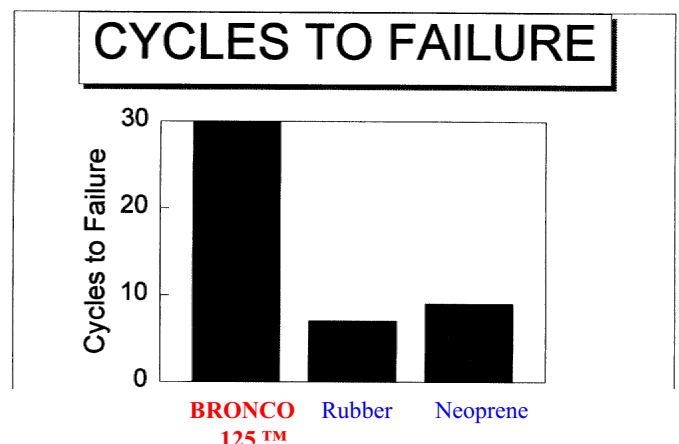
### ● SUPERIOR HEAT AGING

BRONCO-125™ rubber resists cracking and brittleness caused by heat far better than Neoprene or rubber. Comparative heat aging at 250°F. is shown



### ● TOUGHER ABRASION RESISTANCE

Shown below are comparative grinding wheel type abrasion test results on flexible cord jackets. Again, BRONCO-125™ rubber outperforms Neoprene and rubber flexible cord jackets.



**BRONCO-125™**  
**Test Report (continued)**

● **SUPERIOR MECHANICAL STRENGTH**

One measure of the mechanical strength of a flexible cord is resistance to failure under a crushing load. Below are results of crushing strength tests for flexible cords.

**CRUSHING STRENGTH**

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
	Type SEO	Type S	Type SO
Pounds Force			
@ Failure	3,400	2,000	3,000

● **LIGHTER WEIGHT**

Another important consideration in "portable" power supply cordage is weight. PHILAFIN can offer a lighter, more portable cable than either rubber or Neoprene. Typical weight savings on 12/3 cords are shown as follows:

**12 / 3 CORDAGE WEIGHT**

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
	Type SEO	Type S	Type SO
Pounds Per 1000 FT.	164	199	235
Weight Reduction	n/a	18%	33%

**COMPARISON OF FLEXIBLE CORD JACKET MATERIALS**

UNAGED PHYSICALS

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
Tensile Strength (PSI).....	2,000	1,420	1,630
100% Modulus (PSI).....	340	690	770
Elongation (%).....	550	300	300

LOW TEMPERATURE PROPERTIES

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
Brittle Point (°F).....	-100°	-52°	-38°
Cold bend @ -35°C.....	Pass	Pass	Pass
-50°C.....	Pass	Failed	Failed
-65°C.....	Pass	Failed	Failed

AGING PROPERTIES

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
Air Oven 7 Days @ 121°C			
% Retention of Tensile.....	123	104	188
% Retention of Elongation.....	89	17	17
Air Oven 7 Days @ 136°C			
% Retention of Tensile.....	150	0	0
% Retention of Elongation.....	116	0	0
Air Bomb 43 Hrs. @ 127°C			
% Retention of Tensile.....	117	56	93
% Retention of Elongation.....	116	18	43

OZONE RESISTANCE

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
Hours To Cracking (100 ppm/100°F).....	1000	24	300

HEAT DEFORMATION (T<sub>2</sub>/T<sub>1</sub>)

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
2000 gms @ 121°C.....	.76	.93	.95

MECHANICAL PROPERTIES

	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
(Crushing Strength) Lbs. Force To Failure.....	3,400	2,000	3,000
Abrasion Resistance Cycles To Wear Through Jacket.....	36	18	14

CHEMICAL RESISTANCE

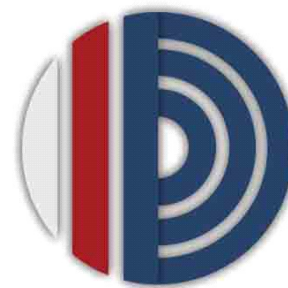
	<u>BRONCO-125™</u>	<u>RUBBER</u>	<u>NEOPRENE</u>
% Diameter Change--30 Day Immersion at Room Temperature			
Alcohol--Ethyl.....	0	-1	0
Ammonia.....	1	2	1
Gasoline--Unleaded.....	61	58	63
Kerosene.....	34	25	17
Oil--Motor 10/40.....	9	6	0
Oil--Vegetable.....	-2	6	0
Skydrol 500.....	0	-3	22
Toluene.....	26	60	56
Water.....	-1	-2	-1

# BRONCO-125™

*UL Type SCE*

600 Volts

## Stage Lighting Cable



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in entertainment, movie making in extreme environments, stage lighting, amusement parks, cranes, construction, generators, ships, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type SCE 600 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for 600 Volt Portable Power Cable
- \* Read Bronco-125™ Test Report

**PART NUMBERS:** Designating Part Numbers: Add Letter "K" or "M" to designate ASTM Class for number of strands. Example: SCE40-K = Size 4/0 - 2,071 strands 30ga. SCE40-M = Size 4/0 - 5,320 strands 34ga.

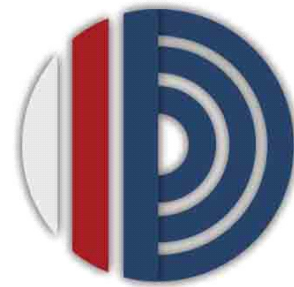
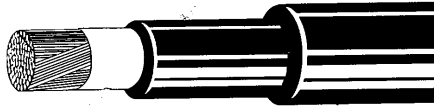
Part No.	Size (AWG)	Flexible K Strands 30AWG	Extra Flexible M Strands 34AWG	Ins. Wall	Nominal O.D. (Inch)	Weight/ 1000 Ft. (Lbs.)	Amps NEC 400-5(B)	DC Res. @20°C OHMS/M'
SCE08B-	8	168	420	.065	.287	85	80	.6503
SCE06B-	6	266	665	.065	.332	124	105	.4056
SCE04B-	4	420	1064	.065	.402	184	140	.2569
SCE02B-	2	665	1666	.065	.468	277	190	.1638
SCE01B-	1	836	2107	.080	.557	359	220	.1303
SCE10B-	1/0	1064	2646	.080	.611	445	260	.1024
SCE20B-	2/0	1323	3325	.080	.638	543	300	.0831
SCE30B-	3/0	1666	4256	.080	.693	670	350	.0659
SCE40B-	4/0	2107	5320	.080	.787	837	405	.0516

# BRONCO-125™

## DLO UL Type PPE

### Heavy Duty - 2000 Volts

## Diesel Locomotive Cable



**PHILATRON**  
WIRE AND CABLE

### APPLICATIONS:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in diesel electric locomotives, mining, cranes, construction, drilling rigs, ships, generators, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temperature Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
- Meets National Electrical Code for Power Cable Applications

\* Read about Bronco-125™ Test Report.

Philatron Number	Size AWG / MCM	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
DLO61B	6	63/24ga	.060"	.095"	.491"	181	109
DLO41B	4	104/24ga	.060"	.095"	.546"	254	145
DLO31B	3	126/24ga	.060"	.095"	.612"	302	167
DLO21B	2	147/24ga	.060"	.095"	.630"	338	192
DLO11B	1	224/24ga	.080"	.095"	.745"	492	223
DLO101B	1/0	273/24ga	.080"	.095"	.783"	573	258
DLO201B	2/0	329/24ga	.080"	.095"	.832"	666	298
DLO301B	3/0	441/24ga	.080"	.095"	.897"	844	345
DLO401B	4/0	532/24ga	.080"	.095"	.953"	989	400
DLO2621B	262	651/24ga	.095"	.095"	1.043"	1203	458
DLO3131B	313	779/24ga	.095"	.095"	1.123"	1409	514
DLO3731B	373	921/24ga	.095"	.095"	1.197"	1648	574
DLO4441B	444	1102/24ga	.095"	.095"	1.260"	1909	642
DLO5351B	535	1330/24ga	.095"	.110"	1.376"	2293	725
DLO6461B	646	1596/24ga	.110"	.110"	1.50"	2741	815
DLO7771B	777	1925/24ga	.110"	.110"	1.832"	3332	910
DLO9291B	929	2303/24ga	.110"	.110"	1.887"	3884	1025
DLO11111B	1111	2744/24ga	.110"	.110"	2.014"	4552	1143

\*Ampacity based on single conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

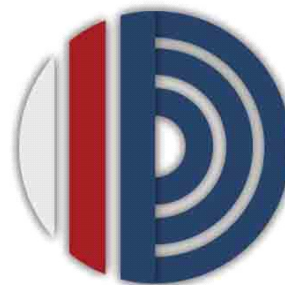


# BRONCO-125™

## W Type PPE

600/2000 Volts

### Single Conductor



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WIRE AND CABLE

### APPLICATIONS:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temperature Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
- Meets National Electrical Code for Type W Cable Applications

\* Read about Bronco-125™ Test Report.

Philatron Number	Size AWG / MCM	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
W00061B	6	63/24ga	.060"	.095"	.491"	181	109
W00041B	4	104/24ga	.060"	.095"	.546"	254	145
W00031B	3	126/24ga	.060"	.095"	.612"	302	167
W00021B	2	147/24ga	.060"	.095"	.630"	338	192
W00011B	1	224/24ga	.080"	.095"	.745"	492	223
W00101B	1/0	273/24ga	.080"	.095"	.783"	573	258
W00201B	2/0	329/24ga	.080"	.095"	.832"	666	298
W00301B	3/0	441/24ga	.080"	.095"	.897"	844	345
W00401B	4/0	532/24ga	.080"	.095"	.953"	989	400
W02621B	262	651/24ga	.095"	.095"	1.043"	1203	458
W03131B	313	779/24ga	.095"	.095"	1.123"	1409	514
W03731B	373	921/24ga	.095"	.095"	1.197"	1648	574
W04441B	444	1102/24ga	.095"	.095"	1.260"	1909	642
W05351B	535	1330/24ga	.095"	.110"	1.376"	2293	725
W06461B	646	1596/24ga	.110"	.110"	1.50"	2741	815
W07771B	777	1925/24ga	.110"	.110"	1.832"	3332	910
W09291B	929	2303/24ga	.110"	.110"	1.887"	3884	1025
W11111B	1111	2744/24ga	.110"	.110"	2.014"	4552	1143

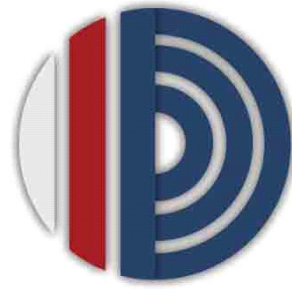
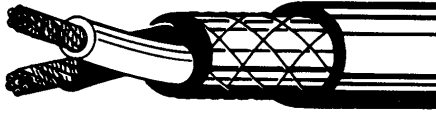
\*Ampacity based on single conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

# BRONCO-125™

## W Type PPE

600/2000 Volts

### Two Conductor



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for Type W Cable Applications
- \* Read Bronco-125™ Test Report.

Philatron Number	Size AWG/MC M	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
W00062B	6	63/24ga	.060"	.109"	.820"	380	95
W00042B	4	104/24ga	.060"	.109"	.930"	530	127
W00032B	3	126/24ga	.060"	.109"	1.062"	647	145
W00022B	2	147/24ga	.060"	.141"	1.162"	783	167
W00012B	1	224/24ga	.080"	.156"	1.422"	1153	191
W00102B	1/0	273/24ga	.080"	.156"	1.498"	1327	217
W00202B	2/0	329/24ga	.080"	.156"	1.596"	1528	250
W00302B	3/0	441/24ga	.080"	.156"	1.726"	1907	286
W00402B	4/0	532/24ga	.080"	.172"	1.870"	2262	328

Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

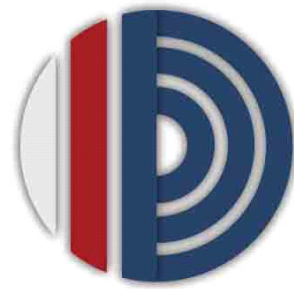
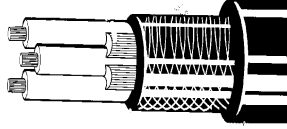
CONDUCTORS COLOR CODE: Black & White

# BRONCO-125™

## W Type PPE

600/2000 Volts

### Three Conductor



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

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  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for Type W Cable Applications
- \* Read Bronco-125™ Test Report.

Philatron Number	Size AWG/MC M	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
W00063B	6	63/24ga	.060"	.141"	.929"	558	79
W00043B	4	104/24ga	.060"	.125"	1.015"	752	104
W00033B	3	126/24ga	.060"	.125"	1.157"	907	120
W00023B	2	147/24ga	.060"	.141"	1.228"	1048	138
W00013B	1	224/24ga	.080"	.141"	1.475"	1520	161
W00103B	1/0	273/24ga	.080"	.156"	1.587"	1810	186
W00203B	2/0	329/24ga	.080"	.156"	1.692"	2097	215
W00303B	3/0	441/24ga	.080"	.156"	1.832"	2642	249
W00403B	4/0	532/24ga	.080"	.172"	1.985"	3142	287
W02503B	250	623/24ga	.095"	.240"	2.314"	3964	320
W03003B	300	741/24ga	.095"	.240"	2.467"	4577	357
W03503B	350	874/24ga	.095"	.240"	2.617"	5236	394
W04003B	400	1007/24ga	.095"	.270"	2.765"	5999	430
W04443B	444	1102/24ga	.095"	.270"	2.841"	6456	455
W05001B	500	1254/24ga	.095"	.270"	3.025"	7232	487

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

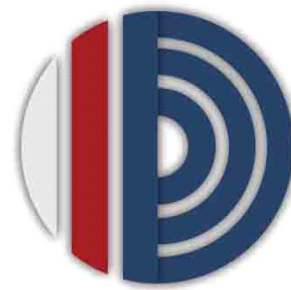
CONDUCTORS COLOR CODE: Black, White, & Green

# BRONCO-125™

## W Type PPE

600/2000 Volts

## Four Conductor



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
- Meets National Electrical Code for Type W Cable Applications

\* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MCM	Copper Strands	Ins Wall	Jkt Wall	Cable O.D.	Weight Lbs/Mft	Amps *
W00064B	6	63/24ga	.060"	.141"	1.007"	674	72
W00044B	4	104/24ga	.060"	.125"	1.108"	951	93
W00034B	3	126/24ga	.060"	.125"	1.267"	1148	106
W00024B	2	147/24ga	.060"	.125"	1.310"	1288	122
W00014B	1	224/24ga	.080"	.141"	1.620"	1940	143
W00104B	1/0	273/24ga	.080"	.156"	1.741"	2311	165
W00204B	2/0	329/24ga	.080"	.156"	1.859"	2687	192
W00304B	3/0	441/24ga	.080"	.156"	2.016"	3408	221
W00404B	4/0	532/24ga	.080"	.156"	2.151"	3989	255

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

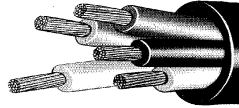
CONDUCTORS COLOR CODE: Black, White, Red, & Green

# BRONCO-125™

## W Type PPE

600/2000 Volts

### Five Conductor



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
- Meets National Electrical Code for Type W Cable Applications

\* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MC M	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
W00065B	6	63/24ga	.060"	.140"	1.097"	830	68
W00045B	4	104/24ga	.060"	.155"	1.277"	1220	88
W00035B	3	126/24ga	.060"	.155"	1.456"	1468	100
W00025B	2	147/24ga	.060"	.170"	1.535"	1683	116
W00015B	1	224/24ga	.080"	.205"	1.917"	2572	136
W00105B	1/0	273/24ga	.080"	.250"	2.110"	3149	157
W00205B	2/0	329/24ga	.080"	.205"	2.153"	3464	182
W00305B	3/0	441/24ga	.080"	.205"	2.330"	4373	210
W00405B	4/0	532/24ga	.080"	.220"	2.512"	5173	242

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

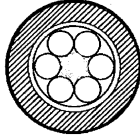
CONDUCTORS COLOR CODE: Black, White, Red, Green, & Orange

# BRONCO-125™

## W Type PPE

600/2000 Volts

### Six Conductor



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for Type W Cable Applications
- \* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MC M	Copper Strands	Insulation Thickness	Jacket Thickness	Cable O.D.	Weight Lbs/Mft	Ampacity *
W00066B	6	63/24ga	.060"	.140"	1.183"	967	64
W00046B	4	104/24ga	.060"	.155"	1.378"	1426	83
W00036B	3	126/24ga	.060"	.155"	1.576"	1717	95
W00026B	2	147/24ga	.060"	.170"	1.660"	1970	110
W00016B	1	224/24ga	.080"	.205"	2.075"	3013	129
W00106B	1/0	273/24ga	.080"	.205"	2.189"	3507	149
W00206B	2/0	329/24ga	.080"	.205"	2.336"	4074	172
W00306B	3/0	441/24ga	.080"	.220"	2.561"	5223	199
W00406B	4/0	532/24ga	.080"	.220"	2.729"	6104	229

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

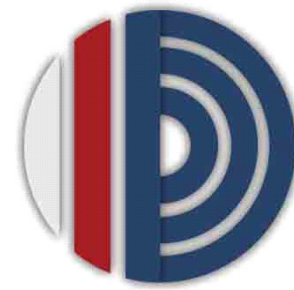
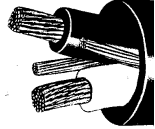
CONDUCTORS COLOR CODE: Black, White, Red, Green, Orange, & Blue

# BRONCO-125™

## G Type PPE

600/2000 Volts

Two Conductors + Bare Grounds



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for Type W Cable Applications
- \* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MC M	Copper Strands	Ins Wall	Jkt Wall	Ground Size/AWG	Cable O.D.	Weight Lbs/Mft	Amps *
G00062B	6	63/24ga	.060"	.109"	10	.820"	449	95
G00042B	4	104/24ga	.060"	.109"	8	.930"	645	127
G00032B	3	126/24ga	.060"	.109"	6	1.062"	824	145
G00022B	2	147/24ga	.060"	.141"	6	1.162"	961	167
G00012B	1	224/24ga	.080"	.156"	4	1.422"	1434	191
G00102B	1/0	273/24ga	.080"	.156"	4	1.498"	1608	217
G00202B	2/0	329/24ga	.080"	.156"	3	1.596"	1881	250
G00302B	3/0	441/24ga	.080"	.156"	2	1.726"	2361	286
G00402B	4/0	532/24ga	.080"	.172"	1	1.870"	2837	328

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

CONDUCTORS COLOR CODE: Black & White

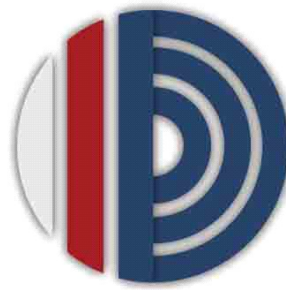
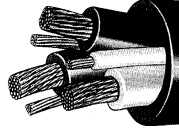
GROUND WIRES: Two bare stranded soft annealed copper conductors

# BRONCO-125™

## G-GC Type PPE

600/2000 Volts

Three Conductors + Yellow & Bare Grd



PHILATRON  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
- Meets National Electrical Code for Type W Cable Applications

\* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MCM	Copper Strands	Ins Wall	Jkt Wall	Grd Ck Size AWG	Grd Size AWG	Cable O.D.	Lbs/Mft	Amps *
GC00063B	6	63/24ga	.060"	.141"	10	10	.929"	674	79
GC00043B	4	104/24ga	.060"	.125"	8	8	1.015"	942	104
GC00033B	3	126/24ga	.060"	.125"	6	6	1.573"	1101	120
GC00023B	2	147/24ga	.060"	.141"	6	6	1.228"	1340	138
GC00013B	1	224/24ga	.080"	.141"	4	4	1.475"	1817	161
GC00103B	1/0	273/24ga	.080"	.156"	4	4	1.587"	2267	186
GC00203B	2/0	329/24ga	.080"	.156"	3	3	1.692"	2555	215
GC00303B	3/0	441/24ga	.080"	.156"	2	2	1.832"	3307	249
GC00403B	4/0	532/24ga	.080"	.172"	1	1	1.985"	3847	287
GC02503B	250	623/24ga	.095"	.240"	2	2	2.314"	4625	320
GC03003B	300	741/24ga	.095"	.240"	1	1	2.467"	5255	357
GC03503B	350	874/24ga	.095"	.240"	1/0	1/0	2.617"	6438	394
GC04003B	400	1007/24ga	.095"	.270"	1/0	1/0	2.765"	7222	430

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

CONDUCTORS COLOR CODE: Black, White, & Green

GROUND WIRES: Two bare conductors stranded soft annealed copper. GROUND CHECK: One insulated yellow conductor.

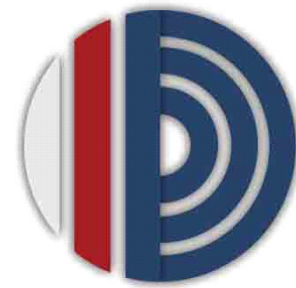
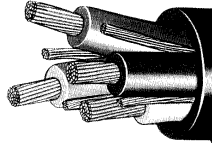


# BRONCO-125™

## G Type PPE

600/2000 Volts

**Four Conductors + Bare Grounds**



**PHILATRON**  
WIRE AND CABLE

### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type PPE 2000 Volts 105C° Portable Power Cable
  - Meets National Electrical Code for Type W Cable Applications
- \* Read Bronco-125™ Test Report

Philatron Number	Size AWG/MC M	Copper Strands	Ins Wall	Jkt Wall	Gnd Size AWG	Cable O.D.	Weight Lbs/Mft	Amps *
G00064B	6	63/24ga	.060"	.141"	12	1.007"	778	72
G00044B	4	104/24ga	.060"	.125"	10	1.108"	1089	93
G00034B	3	126/24ga	.060"	.125"	10	1.267"	1285	106
G00024B	2	147/24ga	.060"	.125"	8	1.310"	1518	122
G00014B	1	224/24ga	.080"	.141"	8	1.620"	2170	143
G00104B	1/0	273/24ga	.080"	.156"	6	1.741"	2665	165
G00204B	2/0	329/24ga	.080"	.156"	6	1.859"	3043	192
G00304B	3/0	441/24ga	.080"	.156"	4	2.016"	3970	221
G00404B	4/0	532/24ga	.080"	.156"	4	2.151"	4552	255

\*Ampacity per conductor in free air, 90°C conductor temperature, 40°C ambient temperature per ICEA P-46-426

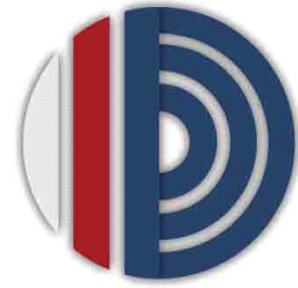
**CONDUCTORS COLOR CODE:** Black, White, Red, & Green  
**GROUND WIRES:** Four bare conductors soft annealed stranded copper

# BRONCO-125™

## Type SEOO-WA

600 Volts - UL / CSA

### Portable Power Cable



PHILATRON

WIRE AND CABLE

#### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type SEOO-WA 600 Volts 105C°
- UL, CSA, MSHA, & OSHA - for indoors or outdoors use.

\* Read Bronco-125™ Test Report.

Catalog Number	AWG Size	Number of Conductors	Bare Cu Stranding	Conductor *Ampacity	Nom. O.D. (Inches)	Approx. Lbs. M/ft
SEO182B	18	2	41 x 34	10	.340	47
SEO183B	18	3	41 x 34	7	.357	59
SEO184B	18	4	41 x 34	7	.386	72
SEO162B	16	2	65 x 34	13	.364	57
SEO163B	16	3	65 x 34	10	.383	73
SEO164B	16	4	65 x 34	10	.415	90
SEO142B	14	2	41 x 30	18	.495	99
SEO143B	14	3	41 x 30	15	.520	125
SEO144B	14	4	41 x 30	15	.564	153
SEO122B	12	2	65 x 30	25	.563	135
SEO123B	12	3	65 x 30	20	.591	171
SEO124B	12	4	65 x 30	20	.640	210
SEO102B	10	2	104 x 30	30	.612	170
SEO103B	10	3	104 x 30	25	.644	221
SEO104B	10	4	104 x 30	25	.699	275
SEO82B	8	2	168 x 30	70	.814	278
SEO83B	8	3	168 x 30	57	.859	363
SEO84B	8	4	168 x 30	52	.966	477
SEO85B	8	5	168 x 30	49	1.056	572

\*Ampacity ratings are based on copper conductor temperature at 90 degrees C and ambient temperature at 40 degrees C.

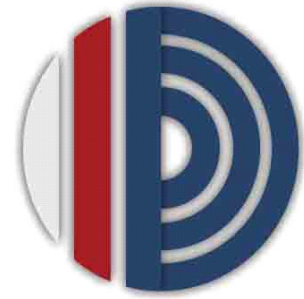
Cond. Colors: 2/C - black & white; 3/C - black, white, & green; 4/C - black, white, red, & green; 5/C - black, white, red, green, and orange.

# BRONCO-125™

## Type SEOO-WA

600 Volts - UL / CSA

### Portable Power Cable



**PHILATRON**  
WIRE AND CABLE

#### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
- Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
- Extremely Reliable and Not Effected by Direct Sunlight & Ozone
- Extra Flexibility for Safer Handling
- Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
- MSHA Approved - Philatron's Certification Number: 7K-281151
- Lead and Asbestos Free for Safer Environment
- Extra Flexible Stranded Bare Annealed Copper
- UL Listed Type SEOO-WA 600 Volts 105C°
- UL, CSA, MSHA, & OSHA - for indoors or outdoors use.

\* Read Bronco-125™ Test Report.

Catalog Number	AWG Size	Number of Conductors	Bare Cu Stranding	Conductor *Ampacity	Nom. O.D. (Inches)	Approx. Lbs. M/ft
SEO62B	6	2	266 x 30	92	.926	387
SEO63B	6	3	266 x 30	77	.976	511
SEO64B	6	4	266 x 30	70	1.094	668
SEO65B	6	5	266 x 30	63	1.097	804
SEO42B	4	2	420 x 30	125	1.065	546
SEO43B	4	3	420 x 30	102	1.124	728
SEO44B	4	4	420 x 30	91	1.256	950
SEO45B	4	5	420 x 30	82	1.376	1149
SEO22B	2	2	665 x 30	165	1.204	751
SEO23B	2	3	665 x 30	136	1.274	1022
SEO24B	2	4	665 x 30	120	1.424	1339
SEO25B	2	5	665 x 30	108	1.565	1631

\*Ampacity ratings are based on copper conductor temperature at 90 degrees C and ambient temperature at 40 degrees C.

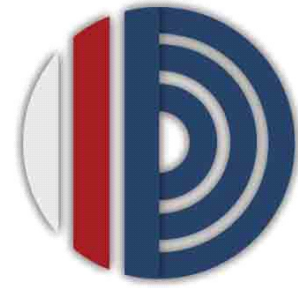
Cond. Colors: 2/C - black & white; 3/C - black, white, & green; 4/C - black, white, red, & green; 5/C - black, white, red, green, and orange.

# BRONCO-125™

## Type SJE00-WA

300 Volts - UL / CSA

### Portable Power Cord



PHILATRON

WIRE AND CABLE

#### APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, abrasion, and flex fatigue is needed. Designed for powering heavy duty field equipment used in mining, cranes, construction, drilling rigs, ships, emergency hospital black outs, movie/stage lighting, submersible pump, undersea and military field operations. Made in the USA to high quality standards.

- Thermoplastic Vulcanizate (TPV) Advanced Synthetic Rubber \*
  - Extreme Desert to Arctic Temp Ranges: +125C° to -65C°
  - Extremely Reliable and Not Effected by Direct Sunlight & Ozone
  - Extra Flexibility for Safer Handling
  - Chemicals, Oil, Fuel, Salt Water, Abrasion, & Crush Resistant
  - MSHA Approved - Philatron's Certification Number: 7K-281151
  - Lead and Asbestos Free for Safer Environment
  - Extra Flexible Stranded Bare Annealed Copper
  - UL Listed Type SJE00-WA 300 Volts 105C°
  - UL, CSA, MSHA, & OSHA - for indoors or outdoors use.
- \* Read Bronco-125™ Test Report.

Catalog Number	AWG Size	Number of Conductors	Bare Cu Stranding	Conductor *Ampacity	Nom. O.D. (Inches)	Approx. Lbs. M/ft
SJE0182	18	2	41 x 34	10	.290	35
SJE0183	18	3	41 x 34	7	.307	46
SJE0184	18	4	41 x 34	7	.336	58
SJE0162	16	2	65 x 34	13	.308	42
SJE0163	16	3	65 x 34	10	.327	57
SJE0164	16	4	65 x 34	10	.359	72
SJE0142	14	2	41 x 30	18	.339	55
SJE0143	14	3	41 x 30	15	.360	76
SJE0144	14	4	41 x 30	15	.395	97
SJE0122	12	2	65 x 30	25	.403	82
SJE0123	12	3	65 x 30	20	.427	112
SJE0124	12	4	65 x 30	20	.467	143
SJE0102	10	2	104 x 30	30	.542	138
SJE0103	10	3	104 x 30	25	.574	187
SJE0104	10	4	104 x 30	25	.629	238

\*Ampacity ratings are based on copper conductor temperature at 90 degrees C and ambient temperature at 40 degrees C.

Cond. Colors: 2/C - black & white; 3/C - black, white, & green; 4/C - black, white, red, & green