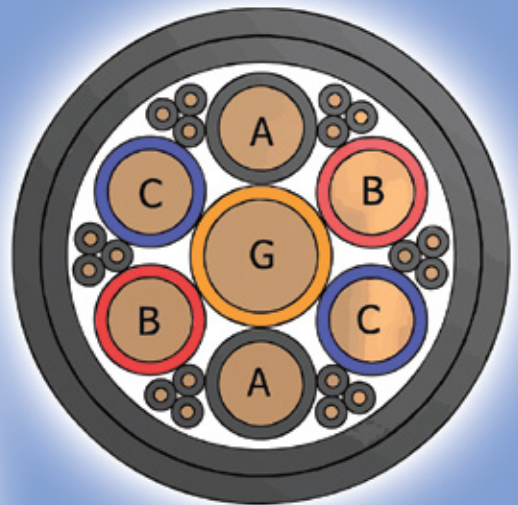




Airport Cables & Connectors



Aircraft Cable & Connector Products

Description	Page
400 Hz Single Jacket No Contact Section	1
400 Hz Single Jacket With Replaceable Nose Contact Section	2
400 Hz Single Jacket - Split Neutral No Contact Section	3
400 Hz Single Jacket - Split Neutral With Durable Hard Contact Section	4
Banded 400 Hz No Replaceable Contact Section 4 Conductors - No Control Leads	5
Banded 400 Hz With Replaceable Durable Hard Contact Section 4 Conductors - No Control Leads	6
Banded 400 Hz No Replaceable Contact Section 4 Conductors - With Two Control Leads	7
Banded 400 Hz With Replaceable Hard Contact Section 4 Conductors - With Two Control Leads	8
Military Assemblies 400 Hz Single Jacket 180 Amps With Replaceable Nose Contact Section	9
Military Assemblies 400 Hz Single Jacket 180 Amps No Replaceable Nose Contact Section	10
Field Replaceable Nose Contact Section 400 Hz 260/300 Amps	11
Banded 28 Volts - DC	12
Field Replaceable Neoprene Plug	13
Airport Lighting Cable	14
Flexible Bulk Power Cable 4 Conductors	15
Flexible 400 Hz Power Cable 6 Conductors Around One	16
400 Hz Power Cable - No Jacket 6 Conductors Around One	17

400 Hz Single Jacket No Replaceable Contact Section

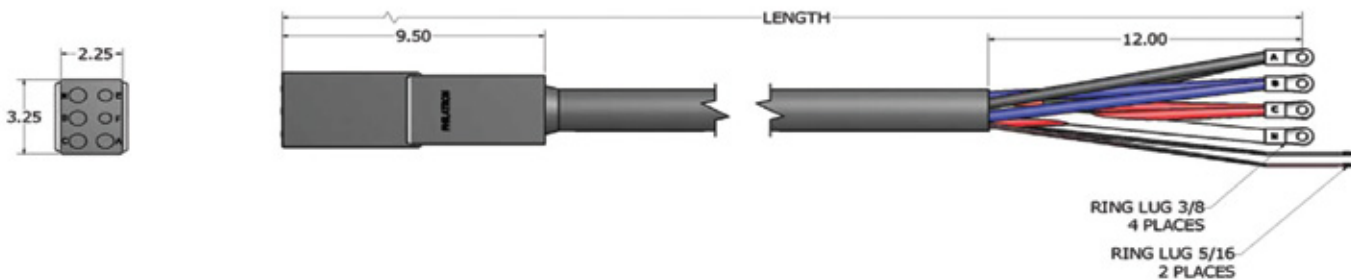
Neoprene Molded Plugs

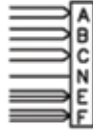
UL Listed Cable

Temperature Rating Inner Conductors +105 -65°C

Temperature Rating Overall Cable +105°C -40°C

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX WT/LBS	CABLE CONFIGURATION
AC6-1020J	20	6.10	260 AMPS	43	
AC6-1030J	30	9.14	6-4 AWG	60	
AC6-1040J	40	12.19	1-1 AWG	77	
AC6-1060J	60	18.29	18-18 AWG CONTROL CONDUCTORS	112	
AC6-10100J	100	30.48	SILVER PLATED CONTACTS	215	
AC6-2020J	20	6.10	300 AMPS	56	
AC6-2030J	30	9.14	6-2 AWG	80	
AC6-2040J	40	12.19	1-1/0 AWG	104	
AC6-2060J	60	18.29	18-18 AWG CONTROL CONDUCTORS	153	
AC6-20100J	100	30.48	SILVER PLATED CONTACTS	280	
AC6S-1020J	20	6.10	260 AMPS	42	
AC6S-1030J	30	9.14	6-4 AWG	58	
AC6S-1040J	40	12.19	1-1 AWG	75	
AC6S-1060J	60	18.29	E AND F SHUNTED IN PLUG	108	
AC6S-10100J	100	30.48	SILVER PLATED CONTACTS	210	
AC6S-2020J	20	6.10	300 AMPS	55	
AC6S-2030J	30	9.14	6-2 AWG	79	
AC6S-2040J	40	12.19	1-1/0 AWG	102	
AC6S-2060J	60	18.29	E AND F SHUNTED IN PLUG	149	
AC6S-20100J	100	30.48	SILVER PLATED CONTACTS	220	

Scuff Guard Available Upon Request

400 Hz Single Jacket With Replaceable Nose Contact Section

Neoprene Molded Plugs

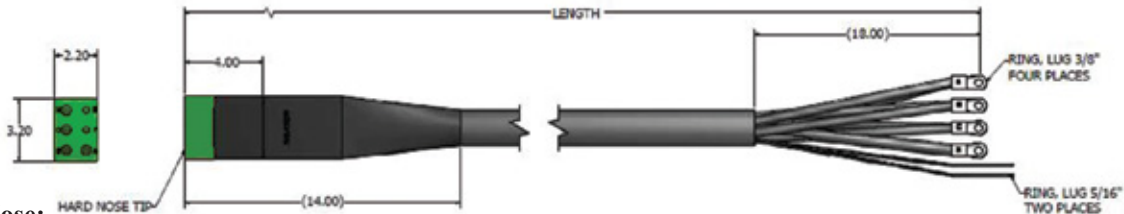
UL Listed Cable

Temperature Rating Inner Conductors +105°C-65°C

Temperature Rating Overall Cable +105°-40°C

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water

Add Suffix Code for Contact Section Color and Modular Type:



Green Nose:

Overheat and Neutral Break Protection - Add Code: -GHNP

With On/Off Switch Module - Add Code: -1S

With Up/Down Motion Switch Module - Add Code: -2S

With On/Off and Up/Down Motion Switch Modules - Add Code: -3S

With OFF/LED power "ON" module. - Add Code: -4S

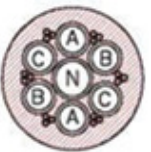
With OFF/LED power "ON" and Up/Down Motion switch modules - Add Code: -5S

Blue Nose - No Switches - Add Code: -B

Orange Nose - No Switches - Add Code: -O

Yellow Nose - No Switches - Add Code: -Y

Examples: AC6R-1020J-GHNP-1S, AC6R-1020J-GHNP-2S, AC6R-1020J-B, AC6R-1020J-0, AC6R-1020J-Y

PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX. WT.	CABLE CONFIGURATION
AC6R-1020J	20	6.10	260 AMPS	43	
AC6R-1030J	30	9.14	6-4 AWG	60	
AC6R-1040J	40	12.19	1-1 AWG	77	
AC6R-1060J	60	18.29	18-18 AWG CONTROL CONDUCTORS	112	
AC6R-10100J	100	30.48	SILVER PLATED CONTACTS	215	
AC6R-2020J	20	6.10	300 AMPS	56	
AC6R-2030J	30	9.14	6-2 AWG	80	
AC6R-2040J	40	12.19	1-1/0 AWG	104	
AC6R-2060J	60	18.29	18-18 AWG CONTROL CONDUCTORS	153	
AC6R-20100J	100	30.48	SILVER PLATED CONTACTS	280	
AC6RS-1020J	20	6.10	260 AMPS	42	
AC6RS-1030J	30	9.14	6-4 AWG	58	
AC6RS-1040J	40	12.19	1-1 AWG	75	
AC6RS-1060J	60	18.29	E AND F SHUNTED IN PLUG	108	
AC6RS-10100J	100	30.48	SILVER PLATED CONTACTS	210	
AC6RS-2020J	20	6.10	300 AMPS	55	
AC6RS-2030J	30	9.14	6-2 AWG	79	
AC6RS-2040J	40	12.19	1-1/0 AWG	102	
AC6RS-2060J	60	18.29	E AND F SHUNTED IN PLUG	149	
AC6RS-20100J	100	30.48	SILVER PLATED CONTACTS	220	

Replaceable Contact Section Part Number **ACR-3430**

400 Hz Single Jacket - Split Neutral No Replaceable Contact Section

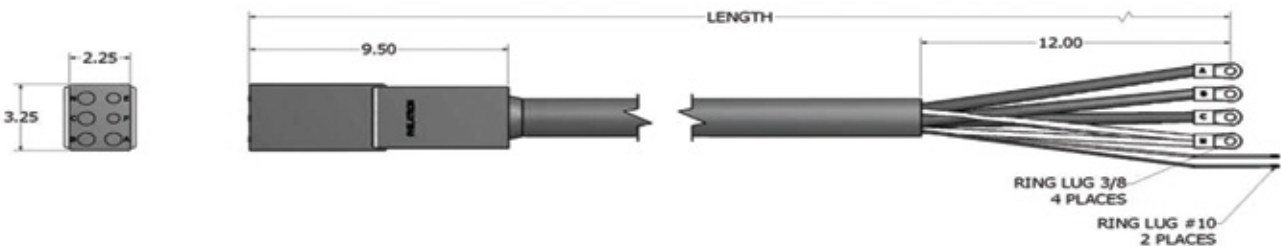
Neoprene Molded Plugs

UL Listed Cable

Temperature Rating Inner Conductors +105° -65°C

Temperature Rating Overall Cable +105°C-40°C

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENHTH METERS	TYPE DESIGNATION	APROX.	CABLE CONFIGURATION
AC3-1020J	20	6.10	3-1/0 AWG 3-6 AWG 2-12 AWG CONTROL CONDUCTORS SILVER PLATED CONTACTS	50	
AC3-1030J	30	9.14		71	
AC3-1040J	40	12.19		91	
AC3-1060J	60	18.29		133	
AC3-10100J	100	30.48		250	
AC3-2020J	20	6.10	3-2/0 AWG 3-4 AWG 2-12 AWG CONTROL CONDUCTORS SILVER PLATED CONTACTS	60	
AC3-2030J	30	9.14		85	
AC3-2040J	40	12.19		11	
AC3-2060J	60	18.29		163	
AC3-20100J	100	30.48		300	
AC3S-1020J	20	6.10	3-1/0 AWG 3-6 AWG E AND F SHUNTED IN PLUG SILVER PLATED CONTACTS	48	
AC3S-1030J	30	9.14		68	
AC3S-1040J	40	12.19		88	
AC3S-1060J	60	18.29		128	
AC3S-10100J	100	30.48		240	
AC3S-2020J	20	6.10	3-2/0 AWG 3-4 AWG E AND F SHUNTED IN PLUG SILVER PLATED CONTACTS	58	
AC3S-2030J	30	9.14		83	
AC3S-2040J	40	12.19		107	
AC3S-2060J	60	18.29		157	
AC3S-20100J	100	30.48		290	

Scuff Guard Available Upon Request

400 Hz Single Jacket - Split Neutral With Replaceable Durable Hard Contact Section

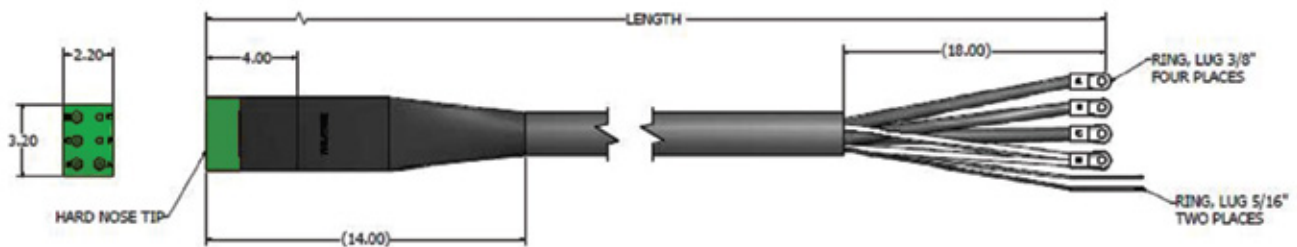
Neoprene Molded Plugs

UL Listed Cable

Temperature Rating Inner Conductors +125°C-65°C

Temperature Rating Overall Cable +105°C-40°C

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX. WT.	CABLE CONFIGURATION
AC3R-1020J	20	6.10	3-1/0 AWG	50	
AC3R-1030J	30	9.14	3-6 AWG	71	
AC3R-1040J	40	12.19	2-12 AWG CONTROL CONDUCTORS	91	
AC3R-1060J	60	18.29	SILVER PLATED CONTACTS	133	
AC3R-10100J	100	30.48		250	
AC3R-2020J	20	6.10	3-2/0 AWG	60	
AC3R-2030J	30	9.14	3-4 AWG	85	
AC3R-2040J	40	12.19	2-12 AWG CONTROL CONDUCTORS	111	
AC3R-2060J	60	18.29	SILVER PLATED CONTACTS	163	
AC3R-20100J	100	30.48		300	
AC3RS-1020J	20	6.10	3-1/0 AWG	48	
AC3RS-1030J	30	9.14	3-6 AWG	68	
AC3RS-1040J	40	12.19	E AND F SHUNTED IN PLUG	88	
AC3RS-1060J	60	18.29	SILVER PLATED CONTACTS	128	
AC3RS-10100J	100	30.48		240	
AC3RS-2020J	20	6.10	3-2/0 AWG	58	
AC3RS-2030J	30	9.14	3-4 AWG	83	
AC3RS-2040J	40	12.19	E AND F SHUNTED IN PLUG	107	
AC3RS-2060J	60	18.29	SILVER PLATED CONTACTS	157	
AC3RS-20100J	100	30.48		332	

Replaceable Contact Section Part Number **ACR-3430**

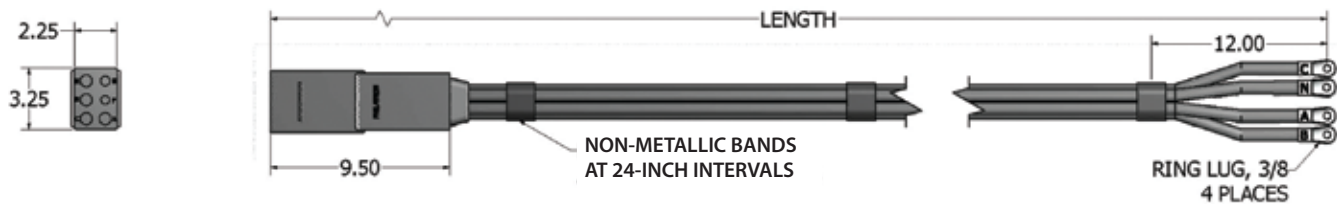
Banded 400 Hz No Replaceable Contact Section

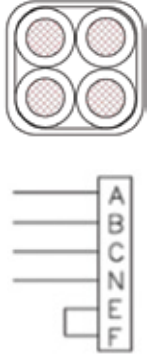
4 Conductors - No Control Leads

Neoprene Molded Plug

Temperature Rating - +105°C (221°F) -40°C (-40°F)

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	MILITARY PART NO.	APPROX. WT./LBS.	CABLE CONFIGURATION
AC4-1020	20	6.10	4-1/0 AWG	MS90328-13M	35	
AC4-1030	30	9.14	NO CONTROL LEADS	MS90328-14M	53	
AC4-1040	40	12.19	E AND F SHUNTED IN PLUG	MS90328-15M	71	
AC4-1060	60	18.29	SILVER PLATED CONTACTS	MS90328-16M	106	
AC4-10100	100	30.48	NON METALLIC BANDS		175	
AC4-2020	20	6.10	4-2/0 AWG	MS90328-19M	51	
AC4-2030	30	9.14	NO CONTROL LEADS	MS90328-20M	73	
AC4-2040	40	12.19	E AND F SHUNTED IN PLUG	MS90328-21M	95	
AC4-2060	60	18.29	SILVER PLATED CONTACTS	MS90328-22M	138	
AC4-20100	100	30.48	NON METALLIC BANDS		555	

Scuff Guard Available Upon Request

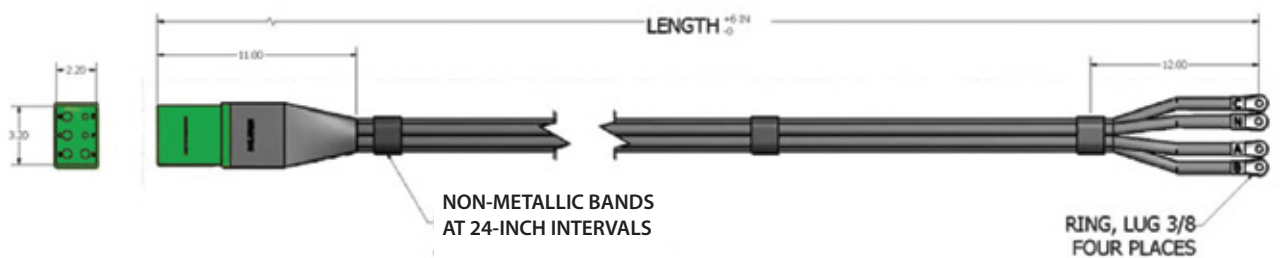
Banded 400 Hz With Replaceable Hard Contact Section

4 Conductors - No Control Leads

Neoprene Molded Plug

Temperature Rating - +105°C (221°F) -40°C (-40°F)

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX. WT.	CABLE CONFIGURATION
AC4R-1020	20	6.10	4-1/0 AWG	35	
AC4R-1030	30	9.14	NO CONTROL LEADS	53	
AC4R-1040	40	12.19	E AND F SHUNTED IN PLUG	71	
AC4R-1060	60	18.29	SILVER PLATED CONTACTS	106	
AC4R-10100	100	30.48	NON-METALLIC BANDS	175	
AC4R-2020	20	6.10	4-2/0 AWG	51	
AC4R-2030	30	9.14	NO CONTROL LEADS	73	
AC4R-2040	40	12.19	E AND F SHUNTED IN PLUG	95	
AC4R-2060	60	18.29	SILVER PLATED CONTACTS	138	
AC4R-20100	100	30.48	NON-METALLIC BANDS	205	

Replaceable Contact Section Part Number **ACR-3430**

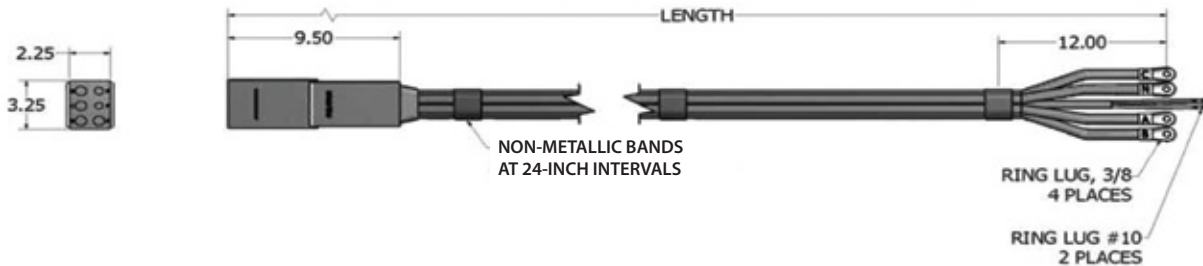
Banded 400 Hz No Replaceable Contact Section

4 Conductors - With Two Control Leads

Neoprene Molded Plug

Temperature Rating - +105°C (221°F) -40°C (-40°F)

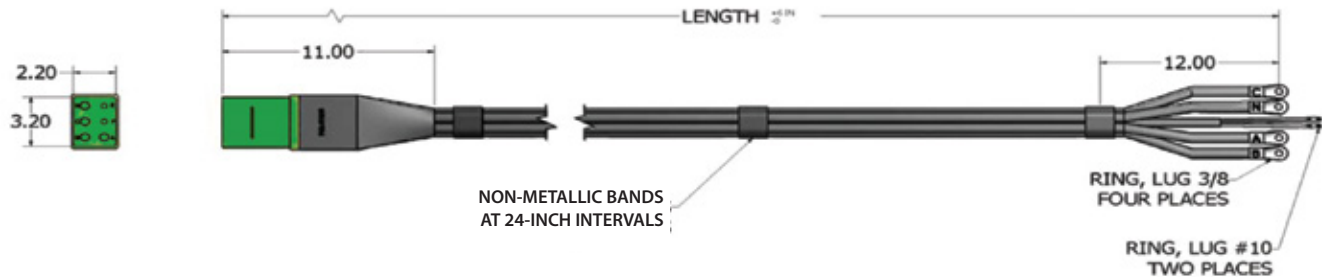
Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



Philatron Part No.	Length Feet	Length Meters	Type Designation	Military Part No.	Approx WT/LBS	Cable Configuration
AC4-1020C	20	6.10	4-1/0 AWG	MS90328-25M	45	
AC4-1030C	30	9.14	1-2/12 AWG CONTROL LEADS	MS90328-26M	56	
AC4-1040C	40	12.19	SILVER PLATED CONTACTS	MS90328-27M	75	
AC4-1060C	60	18.29	NON-METALLIC BANDS	MS90328-28M	112	
AC4-10100C	100	30.48			225	
AC4-2020C	20	6.10	4-2/0 AWG	MS90328-31M	53	
AC4-2030C	30	9.14	1-2/12 AWG CONTROL LEADS	MS90328-32M	76	
AC4-2040C	40	12.19	SILVER PLATED CONTACTS	MS90328-33M	98	
AC4-2060C	60	18.29	NON-METALLIC BANDS	MS90328-34M	143	
AC4-20100C	100	30.48			265	
AC4S-1020C	20	6.10	4-1/0 AWG		45	
AC4S-1030C	30	9.14	1-2/12 AWG CONTROL LEADS		56	
AC4S-1040C	40	12.19	E AND F SHUNTED IN PLUG		75	
AC4S-1060C	60	18.29	SILVER PLATED CONTACTS		112	
AC4S-10100C	100	30.48	NON-METALLIC BANDS		225	
AC4S-2020C	20	6.10	4-2/0 AWG		53	
AC4S-2030C	30	9.14	1-2/12 AWG CONTROL LEADS		76	
AC4S-2040C	40	12.19	E AND F SHUNTED IN PLUG		98	
AC4S-2060C	60	18.29	SILVER PLATED CONTACTS		143	
AC4S-20100C	100	30.48	NON-METALLIC BANDS		265	

Banded 400 Hz With Replaceable Durable Hard Contact Section

4 Conductors - With Two Control Leads
Neoprene Molded Plug
Temperature Rating - +105°C (221°F) -40°C (-40°F)
Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX. WT.	CABLE CONFIGURATION
AC4R-1020C	20	6.10	4-1/0 AWG	45	
AC4R-1030C	30	9.14	1-2/12 AWG CONTROL LEADS	56	
AC4R-1040C	40	12.19	SILVER PLATED CONTACTS	75	
AC4R-1060C	60	18.29	NON-METALLIC BANDS	112	
AC4R-10100C	100	30.48		225	
AC4R-2020C	20	6.10	4-2/0 AWG	53	
AC4R-2030C	30	9.14	1-2/12 AWG CONTROL LEADS	76	
AC4R-2040C	40	12.19	SILVER PLATED CONTACTS	98	
AC4R-2060C	60	18.29	NON-METALLIC BANDS	143	
AC4R-20100C	100	30.48		265	
AC4RS-1020C	20	6.10	4-1/0 AWG	45	
AC4RS-1030C	30	9.14	1-2/12 AWG CONTROL LEADS	56	
AC4RS-1040C	40	12.19	E AND F SHUNTED IN PLUG	75	
AC4RS-1060C	60	18.29	SILVER PLATED CONTACTS	112	
AC4RS-10100C	100	30.48	NON-METALLIC BANDS	225	
AC4RS-2020C	20	6.10	4-2/0 AWG	53	
AC4RS-2030C	30	9.14	1-2/12 AWG CONTROL LEADS	76	
AC4RS-2040C	40	12.19	E AND F SHUNTED IN PLUG	98	
AC4RS-2060C	60	18.29	SILVER PLATED CONTACTS	143	
AC4RS-20100C	100	30.48	NON-METALLIC BANDS	265	

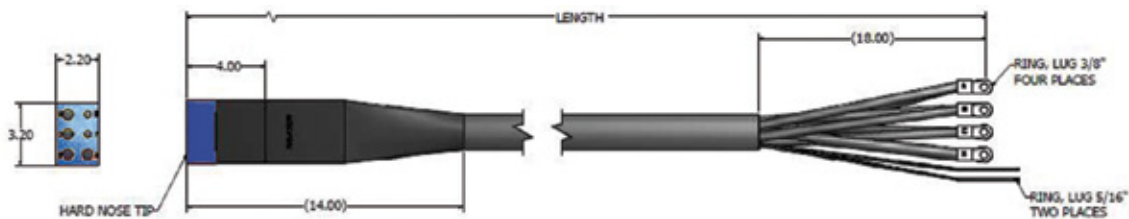
Replaceable Contact Section Part Number **ACR-3430**

Military Assemblies

400 Hz Single Jacket 180 Amps

With Replaceable Nose Contact Section

Neoprene Molded Plugs
UL Listed Cable
Temperature Rating Inner Conductors +105C-65C
Temperature Rating Overall Cable +105C-40C
Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



Blue Nose:

Overheat and Neutral Break Protection - Add Code: -BHNP

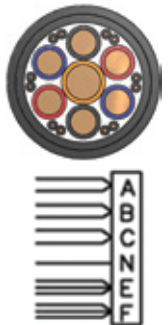
With On/Off Switch Module - Add Code: -1S

With Up/Down Motion Switch Module - Add Code: -2S

With On/Off and Up/Down Motion Switch Modules - Add Code: -3S

With OFF/LED power "ON" module. - Add Code: -4S

With OFF/LED power "ON" and Up/Down Motion switch modules - Add Code: -5S

PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX. WT.	CABLE CONFIGURATION
M6R-1020J	20	6.10	6-5 AWG	43	
M6R-1030J	30	9.14	1-2 AWG	60	
M6R-1040J	40	12.19	12-18 AWG CONTROL CONDUCTORS	77	
M6R-1060J	60	18.29	SILVER PLATED CONTACTS	112	
M6RS-1020J	20	6.10	6-5 AWG	42	
M6RS-1030J	30	9.14	1-2 AWG	58	
M6RS-1040J	40	12.19	E AND F SHUNTED IN PLUG	75	
M6RS-1060J	60	18.29	SILVER PLATED CONTACTS	108	

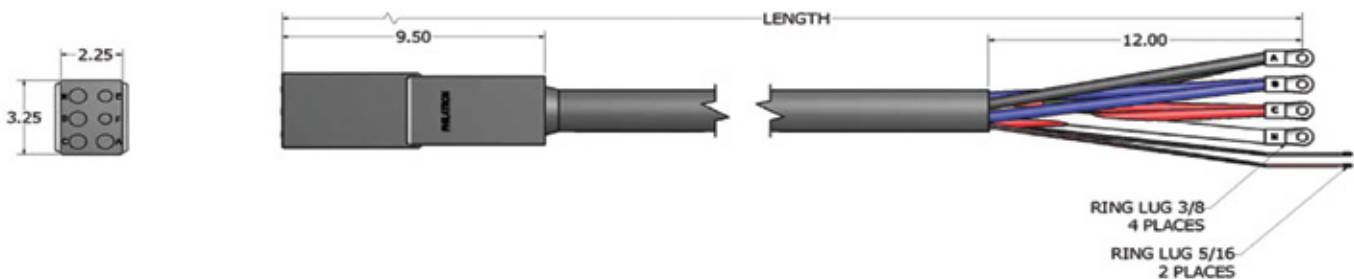
Scuff Guard Available Upon Request

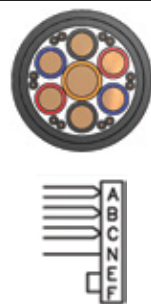
Military Assemblies

400 Hz Single Jacket 180 Amps

No Replaceable Nose Contact Section

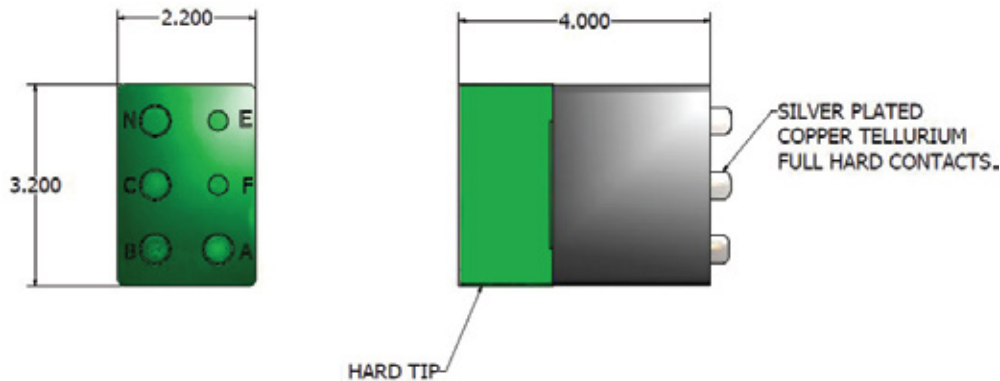
Neoprene Molded Plugs
UL Listed Cable
Temperature Rating Inner Conductors +105C-65C
Temperature Rating Overall Cable +105C -40C
Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NO.	LENGTH FEET	LENGTH METERS	TYPE DESIGNATION	APROX WT/LBS	CABLE CONFIGURATION
M6-1020J M6-1030J M6-1040J M6-1060J	20 30 40 60	6.10 9.14 12.19 18.29	6-5 AWG 1-2 AWG 12-18 AWG CONTROL CONDUCTORS SILVER PLATED CONTACTS	43 60 77 112	
M6S-1020J M6S-1030J M6S-1040J M6S-1060J	20 30 40 60	6.10 9.14 12.19 18.29	6-5 AWG 1-2 AWG E AND F SHUNTED IN PLUG SILVER PLATED CONTACTS	42 58 75 108	

Scuff Guard Available Upon Request

Field Replaceable Nose Contact Section 400 Hz 260/300 Amps



Part Number ACR-3430

Add Suffix Code for Contact Section Color and Modular Type:

Green Overheat and Neutral Break Protection - Add Code: **-GHP** (Stands for Green-Heat-Protection)

Blue Nose - Add Code: **-B**

Orange Nose - Add Code: **-O**

Yellow Nose - Add Code: **-Y**

Examples:

ACR-3430-GHP, ACR-3430-B, ACR-3430-O, ACR-3430-Y

PHILATRON PART NO.			
AC6R-1020J	AC4R-1020C	AC3R-1020J	AC4R-1020
AC6R-1030J	AC4R-1030C	AC3R-1030J	AC4R-1030
AC6R-1040J	AC4R-1040C	AC3R-1040J	AC4R-1040
AC6R-1060J	AC4R-1060C	AC3R-1060J	AC4R-1060
AC6R-2020J	AC4R-2020C	AC3R-2020J	AC4R-2020
AC6R-2030J	AC4R-2030C	AC3R-2030J	AC4R-2030
AC6R-2040J	AC4R-2040C	AC3R-2040J	AC4R-2040
AC6R-2060J	AC4R-2060C	AC3R-2060J	AC4R-2060
AC6RS-1020J	AC4RS-1020C	AC3RS-1020J	
AC6RS-1030J	AC4RS-1030C	AC3RS-1030J	
AC6RS-1040J	AC4RS-1040C	AC3RS-1040J	
AC6RS-1060J	AC4RS-1060C	AC3RS-1060J	
AC6RS-2020J	AC4RS-2020C	AC3RS-2020J	
AC6RS-2030J	AC4RS-2030C	AC3RS-2030J	
AC6RS-2040J	AC4RS-2040C	AC3RS-2040J	
AC6RS-2060J	AC4RS-2060C	AC3RS-2060J	

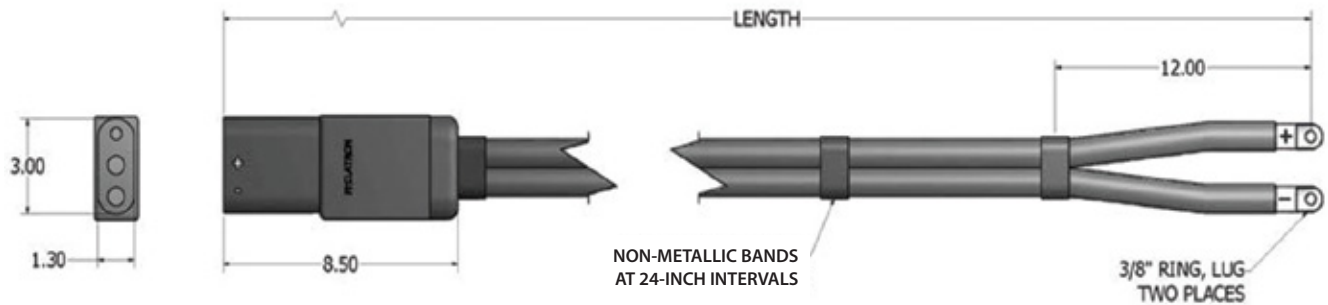
Banded 28.5 Volts - DC

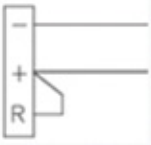
Neoprene Molded Plug

Single Conductor Cable - Mil-C-5756 (SAE AS5756)

Temperature Rating - +105°C (221°F) -40°C (-40°F)

Resistant to Abrasion, Aircraft Fuel, Ozone, Oil, Sunlight, & Water



PHILATRON PART NUMBER	LENGTH FEET	LENGT METERS	TYPE DESIGNATION	MILITARY PART NUMBER	APPROX WT/LBS	CABLE CONFIGURATION
DC2-4020	20	6.10	2-4/0 AWG CONTROL CONDUCTORS SILVER PLATED COPPER CONTACTS NON-METALLIC BANDS	MS90347-19M	37	
DC2-4030	30	9.14		MS90347-20M	54	
DC2-4040	40	12.19		MS90347-21M	71	
DC2-4060	60	18.29		MS90347-22M	104	
DC2-10100	100	30.48			185	
DC2-2020	20	6.10	2-2/0 AWG CONTROL CONDUCTORS SILVER PLATED COPPER CONTACTS NON-METALLIC BANDS	MS90347-13M	26	
DC2-2030	30	9.14		MS90347-14M	36	
DC2-2040	40	12.19		MS90347-15M	47	
DC2-2060	60	18.29		MS90347-16M	69	
DC2-20100	100	30.48			130	
DC2-1020	20	6.10	2-1/0 AWG CONTROL CONDUCTORS SILVER PLATED COPPER CONTACTS NON-METALLIC BANDS	MS90347-7M	22	
DC2-1030	30	9.14		MS90347-8M	31	
DC2-1040	40	12.19		MS90347-9M	39	
DC2-1060	60	18.29		MS90347-10M	57	
DC2-10100	100	30.48			110	

Field Replaceable Neoprene Plug

400 Hz AC Output

Includes Hardware and Shrink Tubing



PHILATRON PART NO.	TYPE DESIGNATION	MILITARY PART NO.	APPROX. WT./LBS
AC4-A10	4-1/0 AWG CONTROL CONDUCTORS NO CONTROL LEADS	MS25486-16	8 lbs.
AC4-A20	4-2/0 AWG CONTROL CONDUCTORS NO CONTROL LEADS	MS25486-17	8 lbs.
AC4-A10C	4-1/0 AWG CONTROL CONDUCTORS AND CONTROL LEADS	MS25486-30	8 lbs.
AC4-A20C	4-2/0 AWG CONTROL CONDUCTORS AND CONTROL LEADS	MS25486-31	8 lbs.
AC6-A10C	1/0 AWG SPLIT PHASE SINGLE JACKET AND CONTROL LEADS		8 lbs.
AC6-A20C	2/0 AWG SPLIT PHASE SINGLE JACKET AND CONTROL LEADS		8 lbs.
AC3-A10C	1/0 AWG SPLIT NEUTRAL SINGLE JACKET AND CONTROL LEADS		8 lbs.
AC3-A20C	2/0 AWG SPLIT NEUTRAL SINGLE JACKET AND CONTROL LEADS		8 lbs.

Airport Lighting Cable (ALC)



FAA-L-824 Type C
Cross Linked Polyethylene Insulation
+90°C (+194°F) -65°C (-85°F) - Wet or Dry
Complies With FAA Advisory Circular 150/5345-47B

600 / 1000 Volts - ICEA S-95-658 NEMA WC70

PART NUMBER	SIZE AWG	STRANDING	INSULATION WALL INCHES	DIAMETER INCHES	WEIGHT/LBS PER 1000
ALC-1KV-12	12	7	0.06	0.215	35
ALC-1KV-10	10	7	0.06	0.24	50
ALC-1KV-08	8	7	0.06	0.27	70
ALC-1KV-06	6	7	0.06	0.305	105
ALC-1KV-04	4	7	0.06	0.355	155

5000 Volts - ICEA S-96-659 NEMA WC71

(Copper Conductors Covered With Semi-Conducting Material)

PART NUMBER	SIZE AWG	STRANDING	INSULATION WALL INCHES	DIAMETER INCHES	WEIGHT/LBS PER 1000
ALC-5KV-08	8	7	0.11	0.38	89
ALC-5KV-06	6	7	0.11	0.429	125
ALC-5KV-04	4	7	0.11	0.46	180

Multi-Conductors and Custom Design Available Upon Request



Flexible Distribution Power Cable

Four Conductors

600 - 2000 Volts - UL Listed Type PPE

Temperature Range: 105°C to -60°C



APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, and flex fatigue is needed. Designed for powering heavy duty field equipment.

99.9 % Pure oxygen free bare copper.

INDENT PRINTED:

Philatron Cable 4 Conds. XX AWG - 600/2000 Volts - UL Type PPE E216316 Flexible Power Cable 105°C Dry/90°C Wet - Made In USA

Available With Tinned Copper Braided Shield Upon Request

Extra Flexible Class K Stranding Available Upon Request

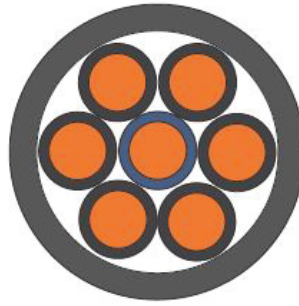
Part Number	AWG Size	Copper Strands	Insulation Wall	Jacket Wall	Cable Diameter	Weight per 1,000 Feet	Amps *
AW00064	6	63/24ga	.060"	.095"	.915"	616	72
AW00044	4	104/24ga	.060"	.095"	1.048"	895	93
AW00034	3	126/24ga	.060"	.095"	1.207"	1084	106
AW00024	2	147/24ga	.060"	.095"	1.250"	1221	122
AW00014	1	224/24ga	.080"	.095"	1.528"	1814	143
AW00104	1/0	273/24ga	.080"	.095"	1.619"	2132	165
AW00204	2/0	329/24ga	.080"	.095"	1.737"	2496	192
AW00304	3/0	441/24ga	.080"	.095"	1.894"	3200	221
AW00404	4/0	532/24ga	.080"	.095"	2.029"	3767	225

* 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 (Other colors available upon request)

Flexible 400 Hz Power Cable Six Conductors Around One

600 - 2000 Volts - UL Listed Type PPE
Temperature Range: 105°C to -60°C



APPLICATION:

For extreme environments and working conditions where maximum resistance to extreme temperatures, chemicals, oil, fuel, and flex fatigue is needed. Designed for powering heavy duty field equipment.
Power source for airport terminals with lower overall impedance of circuit, using multiple smaller conductors which mitigates voltage drop - a critical factor for 400 Hz power.
99.9 % Pure oxygen free bare copper.

INDENT PRINTED:

Philatron Cable 7 Conds. XX AWG - 600/2000 Volts - UL Type PPE E216316 Flexible Power
Cable 105°C Dry/90°C Wet - Made In USA

Available With Tinned Copper Braided Shield Upon Request

Extra Flexible Class K Stranding Available Upon Request

Part Number	Size AWG/MCM	Copper Strands	Insulation Thickness	Jacket Thickness	Cable Diameter	Weight per 1000 lbs.
AW00067	6	63/24ga	.060"	.095"	1.093"	1024
AW00047	4	104/24ga	.060"	.095"	1.258"	1503
AW00037	3	126/24ga	.060"	.095"	1.456"	1818
AW00027	2	147/24ga	.060"	.095"	1.510"	2056
AW00017	1	224/24ga	.080"	.095"	1.855"	3076
AW00107	1/0	273/24ga	.080"	.110"	1.999"	3687
AW00207	2/0	329/24ga	.080"	.110"	2.146"	4320
AW0037	3/0	441/24ga	.080"	.110"	2.341"	5663
AW00407	4/0	532/24ga	.080"	.110"	2.479"	6461

Conductors Code:

Six conductors phase-identified (number #1 through #6) and twisted around one central-neutral (blue) conductor in sequence clockwise from #1 to #6.

400 Hz Power Cable - No Jacket

Six Conductors Around One

600 - Volts - UL Listed Type XHHW-2

Temperature Range: 90°C Dry or Wet



APPLICATION:

Power source for airport terminals with lower overall impedance of circuit, using multiple smaller conductors which mitigates voltage drop - a critical factor for 400 Hz power. 99.9 % Pure oxygen free bare copper.

Part Number	Size AWG or MCM	Copper Strands	Insulation Thickness	Approximate Overall Diameter	Approximate Weight lbs/1000'
A4XHHW7	4	7	45	0.97	1050
A2XHHW7	2	7	45	1.15	1620
A1XHHW7	1	19	55	1.29	2059
A10XHHW7	1/0	19	55	1.41	2577
A20XHHW7	2/0	19	55	1.55	3212
A30XHHW7	3/0	19	55	1.69	4007
A40XHHW7	4/0	19	55	1.86	5006
A250XHHW7	250	133	65	2.12	5992
A350XHHW7	350	133	65	2.43	8285
A500XHHW7	500	133	65	2.84	11702

Conductors Code:

Six conductors phase-identified (number #1 through #6) and twisted around one central-neutral (blue) conductor in sequence clock wise from #1 to #6.



Notes:



PHILATRON

WIRE AND CABLE • USA MANUFACTURER
Manufacturing Solutions with Undeniable Value!



15315 Cornet Avenue Santa Fe Springs, California 90670

(562) 802 2570 • Toll Free: (800) 421 3547 • Fax: (562) 802 0264 • Web Site: philatron.com