

# beeFlex™ 7 Way Plug Coil Assemblies

## ABS COIL ASSEMBLIES - GREEN

### 4/12, 2/10, 1/8 gauge SAE J2394 Cable

- Recommended for all ABS application
- Meets TMC R.P. 137
- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F
- SAE J560b Plugs with Floating brass pins

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard	Catalog No. With Plastic Weather Guard Plug
12'	12"	19822	19822PL
15'	12"	19872	19872PL
15'	1 X 12" – 1 X 40"	19875	19875PL
15'	1 X 12" – 1 X 48"	19877	19877PL
15'	1 X 12" – 1 X 72"	19876	19876PL
20'	12"	19852	19852PL

**Consult factory for other sizes**

## ISO COIL ASSEMBLIES - YELLOW

### 4/12, 2/10, 1/8 gauge Cable

- Recommended for trailers with ISO Sockets
- Made with same ABS Cable construction
- Meets TMC R.P. 137
- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F
- ISO 3731 Plugs with inverted ground pin**

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard
12'	12"	19922
15'	12"	19972
15'	1 X 12" – 1 X 48"	19977
15'	1 X 12" – 1 X 72"	19976

**Consult factory for other sizes**

Note: All coils are listed as working length. Working length is determined at 25 pounds of direct pull pressure. Actual wire lengths are longer.

# beeFlex™ 7 Way Plug Coil Assemblies

## HEAVY DUTY COIL ASSEMBLIES - BLACK

### 6/12, 1/10 gauge SAE 1067 Cable

- Recommended for Standard equipment without ABS
- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F
- SAE J560b Plugs with Floating brass pins

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard	Catalog No. With Plastic Weather Guard Plug
12'	12"	18222	18222PL
12'	1 X 12" – 1 X 48"	18227	18227PL
12'	1 X 12" – 1 X 72"	18252	18252PL
15'	12"	18272	18272PL
15'	1 X 12" – 1 X 40"	18275	18275PL
15'	1 X 12" – 1 X 48"	18277	18277PL
15'	1 X 12" – 1 X 72"	18255	18255PL
20'	12"	18922	18922PL

**Consult factory for other sizes**

## LIGHT DUTY COIL ASSEMBLIES - BLACK

### 6/14, 1/12 gauge Cable

- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F
- SAE J560b Plugs with Floating brass pins

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard	Catalog No. With Plastic Weather Guard Plug
12'	12"	19222	19222PL
12'	1 X 12" – 1 X 48"	19223	19223PL
12'	1 X 12" – 1 X 72"	19252	19252PL
15'	12"	19272	19272PL
15'	1 X 12" – 1 X 40"	19275	19275PL
15'	1 X 12" – 1 X 48"	19277	19277PL
15'	1 X 12" – 1 X 72"	19292	19292PL

**Consult factory for other sizes**

# beeFlex™ Plug Coil Assemblies

## ECONOMY COIL ASSEMBLIES - BLACK

### 7/14 gauge Cable

- Where 14-gauge is considered adequate
- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F
- SAE J560b Plugs with Floating brass pins

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard	Catalog No. With Plastic Weather Guard Plug
12'	12"	18122	18122PL
12'	1 X 12" – 1 X 72"	18152	18152PL
15'	12"	18132	18132PL
15'	1 X 12" – 1 X 40"	18135	18135PL
15'	1 X 12" – 1 X 48"	18137	18137PL
15'	1 X 12" – 1 X 72"	18162	18162PL

**Consult factory for other sizes**

## RECREATIONAL VEHICLE COIL ASSEMBLIES - BLACK

### 4 Way and 6 Way cable

- Superb Coil Memory
- Exceptional abrasion resistance
- Extreme resistance to UV light,  
Commonly used Chemicals,  
Gasoline, Oils, Grease and Diesel
- Temperature range -85°F to +185°F

Working Length	Cable Type	Catalog No. With Metal Plug w/Spring Guard
6'	6 Conductor-14 gauge	18016
8'	6 Conductor-14 gauge	18017
10'	6 Conductor-14 gauge	18018
12'	6 Conductor-14 gauge	18012
15'	6 Conductor-14 gauge	18015
6'	4 Conductor-14 gauge	18026
8'	4 Conductor-14 gauge	18027
10'	4 Conductor-14 gauge	18028
12'	4 Conductor-14 gauge	18024
15'	4 Conductor-14 gauge	18025

**Consult factory for other sizes**

Note: All coils are listed as working length. Working length is determined at 25 pounds of direct pull pressure. Actual wire lengths are longer.

# beeFlex™ Plug Coil Assemblies

## SINGLE POLE LIFT GATE POWER CORD - BLACK

### 4 gauge Cable

- 200 amp capacity
- Flexible copper stranding
- External ground option
- Temperature range -85°F to +185°F
- Single Pole Metal Plug with Spring Guard

Working Length	Leads	Plugs And/or Lug	Catalog No. With Metal Plug w/Spring Guard
12'	12"	2 Plugs	38221
12'	12"	1 Plug 1 Lug	38222
15'	12"	1 Plug 1 Lug	38271
15'	12"	2 Plugs	38272
15'	1 X 12" – 1 X 40"	2 Plugs	38275

**Consult factory for other sizes**

## TWO POLE LIFT GATE POWER CORD - BLACK

### 2/4 gauge Parallel Cable

- 200 amp capacity
- Flexible copper stranding
- Internal ground
- Temperature range -85°F to +185°F
- Two Pole Metal Plug with Spring Guard

Working Length	Leads	Catalog No. With Metal Plug w/Spring Guard
12'	12"	38422
15'	12"	38472

**Consult factory for other sizes**

Note: All coils are listed as working length. Working length is determined at 25 pounds of direct pull pressure. Actual wire lengths are longer.

# beeFlex™ 7 Way Plug Straight Assemblies

## ABS STRAIGHT ASSEMBLIES - GREEN

4/12, 2/10, 1/8 gauge SAE J2394 Cable

-SAE J560b Plugs with Floating brass pins

Working Length	Catalog No.	
	With Metal Plug w/Spring Guard	With Plastic Weather Guard Plug
10'	18402	18402PL
12'	18404	18404PL
15'	18406	18406PL

## ISO STRAIGHT ASSEMBLIES - YELLOW

4/12, 2/10, 1/8 gauge Cable

-ISO 3731 Plugs with inverted ground pin

Working Length	Catalog No.	
	With Metal Plug w/Spring Guard	
10'	18502	
12'	18504	
15'	18506	

## HEAVY DUTY COIL ASSEMBLIES - BLACK

6/12, 1/10 gauge SAE 1067 Cable

-SAE J560b Plugs with Floating brass pins

Working Length	Catalog No.	
	With Metal Plug w/Spring Guard	With Plastic Weather Guard Plug
8'	18201	18201PL
10'	18202	18202PL
12'	18204	18204PL
15'	18206	18206PL

**Consult factory for other sizes**

# Heavy Duty Plugs & Sockets

## 7 Way Plugs

- Metal Plugs have heavy duty Zinc die cast housing
- Plastic plugs have tough ABS housing
- Meets ATA and SAE J560b requirements
- Floating Brass Pins for easier alignment and maximum electrical contact
- Spring Guard protects cable

Catalog #	Description
20-10	T Grip Metal Plug with Spring Guard
20-13	T Grip Metal Plug w/out Spring Guard
20-20	T Grip ABS Plug with Spring Guard
20-23	T Grip ABS Plug w/out Spring Guard
20-05	Single Grip Metal Plug with Spring Guard
20-21	ABS Plug with Weather Guard
20-12	Plug Insert for 20-10,20-13,20-21

## 7 Way Sockets

- Metal Sockets have heavy duty Zinc die cast housing
- Plastic Socket has tough ABS housing
- Meets SAE J560b requirements
- Split or Solid Brass Pins design
- Field repairable with standard tools
- Interchangeable with SAE type Plugs

Catalog #	Description
20-30	Metal Socket - Split Pins
20-33	Metal Socket - Solid Pins
20-40	ABS Socket - Split Pins
20-90	Rubber Socket Boot

## ISO 3731 Plug & Sockets

- Metal Plug has heavy duty Zinc die cast housing
- Plug has Floating Brass Pins for easier alignment and maximum electrical contact
- Plug Spring Guard protects cable
- Plastic Socket has tough ABS housing
- Plug and Socket meets ISO 3731:1997 requirement

Catalog #	Description
20-15	Metal Plug with Spring Guard
20-25	ABS Socket - Split Pins
20-90	Rubber Socket Boot

# Heavy Duty Plugs & Sockets

## 6 Way Plug & Sockets

- Heavy duty Zinc die cast housing
- Plugs locking system works with Socket door for good connection
- Brass Pins

Catalog #	Description
30-10	Metal Plug with Spring Guard
30-13	Metal Plug w/out Spring Guard
30-20	Metal Socket

## 4 Way Plug & Sockets

- Heavy duty Zinc die cast housing
- Plugs locking system works with Socket door for good connection
- Brass Pins

Catalog #	Description
40-10	Metal Plug with Spring Guard
40-13	Metal Plug w/out Spring Guard
40-20	Metal Socket

## Two Pole Plug & Sockets

- 200 amps, 4 gauge wire capacity
- Heavy duty Zinc die cast housing
- Spring Guard protects cable
- Internal Ground

Catalog #	Description
20-36	Metal Plug with Spring Guard
20-38	Plug Insert
20-46	Metal Socket

## Single Pole Plug & Sockets

- 200 amps, 2 gauge wire capacity
- Heavy duty Zinc die cast housing
- Spring Guard protects cable
- External Ground

Catalog #	Description
20-35	Metal Plug with Spring Guard
20-34	Metal Plug w/out Spring Guard
20-37	Plug Insert
38-10	Metal Socket

## Electrical Junction Box

- UV Resistant Black high-impact ABS Plastic
- Five Large Outlets
- 7 Labeled Terminal Posts with #8 Studs
- Five drilled and blank grommets
- Nuts and Washer for seven terminal posts
- Two Cable Clamps

Catalog Number	Description
20-99	Junction Box with seven #8 Studs

## Tow Lights

- Magnetic Rubber Tow lights
- Stop, Tail and Turn Signal
- 4 Way Cable w/Flexible "Yukon Proven" Jacket
- 4 way Plug with spring guard
- 30' Cable to first Light, 6' Cable between Lights

Catalog Number	Description
USA1120	Magnetic Tow Light
USA1120LED	Magnetic Tow Light LED Lights
USA1161R	Plastic Magnet Box for USA1120

## Wide Load Bars

- Heavy duty ABS housing
- Stop, Tail and Turn Signal Light
- ICC Marker Light and Side Marker Lights
- 7 Way Socket

Catalog Number	Description
USA1100P	60" Wide Load Bar - 7 Way
USA1100PLED	60" Wide Load Bar W/LED Lights - 7 way
USA1100P-48	48" Wide Load Bar - 7 way

**4 Way Socket and other lengths available**



# Gladhands and Air Coiled Assemblies

## AIR COILED ASSEMBLIES

-Meets or Exceeds SAE J844 and DOT standards

-1/2" Fittings

Catalog #	Description
19-05	54" Fifth Wheel Slider Coil
19-12	12' Coiled air set - Red/Blue
19-15	15' Coiled air set - Red/Blue
19-40	15' Coiled air set - Red/Blue With one 40" lead
19-12H	12' Coiled air set - Red/Blue w/Extended Handle
19-15H	15' Coiled air set - Red/Blue w/Extended Handle
19-40H	15' Coiled air set - Red/Blue With one 40" lead w/Extended Handle

## GLADHANDS – Aluminum, Iron, Shutoff

-Meet SAE J318

Catalog #	Description
19-08	Aluminum Gladhand - Service W/Black Rubber Seal
19-09	Aluminum Gladhand - Emergency W/Black Rubber Seal
19-10	Aluminum Gladhand - Universal W/Black Rubber Seal
19-18	Iron Gladhand - Service W/Blue Polyurethane Seal
19-19	Iron Gladhand - Emergency W/Red Polyurethane Seal
19-20	Iron Gladhand - Universal W/Black Polyurethane Seal
19-28	Shutoff Aluminum Gladhand - Service W/Blue Polyurethane Seal
19-29	Shutoff Aluminum Gladhand - Emergency W/Red Polyurethane Seal

## GLADHAND SEALS – Rubber, Polyurethane

Catalog #	Description
19-01	Gladhand Seal - Black Rubber
19-02	Gladhand Seal - Black Polyurethane
19-03	Gladhand Seal - Red Polyurethane
19-04	Gladhand Seal - Blue Polyurethane

# beeFlex™ Trailer Cable

## ALL beeFlex™ TRAILER CABLE

- 50 Volts or less
- Temperature rating 80°C (176°F) to -27°C (-17°F)
- Exceptional abrasion resistance
- Extreme resistance to commonly used Chemicals, Gasoline, Oils, Grease and Diesel
- Paper wrapped for ease of stripping

### 9 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/5	41/30	14-Grn, Red, Brn, Yel, Org						
12/2	65/30	12-Blu, Gry	9900P	9900C	9900L	9900X	-	.710
8/2	168/30	8-Blk, Wht						

### ABS 7 CONDUCTOR TRAILER CABLE – GREEN

-Meets or Exceeds SAE J2394 requirements

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/4	65/30	12-Blk, Yel, Grn, Brn						
10/2	105/30	10-Red, Blu	9750P	9750C	9750L	9750X	-	.650
8/1	168/30	8-Wht						

### ISO 7 CONDUCTOR TRAILER CABLE – YELLOW

-Meets or Exceeds ISO 3731:1997 requirements

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/4	65/30	12-Blk, Yel, Grn, Brn						
10/2	105/30	10-Red, Blu	9752P	9752C	9752L	9752X	-	.650
8/1	168/30	8-Wht						

### 7 CONDUCTOR TRAILER CABLE – BLACK

-Meets or Exceeds SAE J1067 requirements

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/6	65/30	12-Blk, Red, Yel, Brn, Grn,						
10/1	105/30	Blu 10-Wht	9700P	9700C	9700L	9700X	-	.630

# beeFlex™ Trailer Cable

## 7 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/6 12/1	41/30 65/30	14-Blk, Red, Yel, Brn, Grn, Blu 12-Wht	9712P	9712C	9712L	9712X	9712M	.585
14/7	41/30	Blk, Red, Yel, Wht, Brn, Grn, Blu	9714P	9714C	9714L	9714X	9714M	.570
14/4 12/3	41/30 65/30	14-Blk, Yel, Red, Grn 12-Wht, Brn, Blu	9705P	9705C	9705L	9705X	9705M	.525
14/4 12/1 10/2	41/30 65/30 105/30	14-Red, Yel, Grn, Brn 12-Blu 10-Blk, Wht	9706P	9706C	9706L	9706X	9706M	.560

## 6 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/6	65/30	Blk, Wht, Red, Yel, Grn, Brn	9601P	9601C	9601L	9601X	-	.610
14/6	41/30	Brn, Wht, Blk, Yel, Red, Grn	9614P	9614C	9614L	9614X	9614M	.570
16/3 12/3	26/30 65/30	16-Grn, Yel, Brn 12-Blk, Wht, Red	9612P	9612C	9612L	9612X	9612M	.555
16/6	26/30	Brn, Wht, Blk, Yel, Red, Grn	9616P	9616C	9616L	9616X	9616M	.440

## 4 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/4	65/30	Blk, Red, Brn, Wht	9412P	9412C	9412L	9412X	9412M	.510
14/4	41/30	Blk, Red, Grn, Wht	9414P	9414C	9414L	9414X	9414M	.430
14/4	41/30	Blk, Yel, Red, Wht	9411P	9411C	9411L	9411X	9411M	.430
16/4	26/30	Blk, Red, Yel, Wht	9416P	9416C	9416L	9416X	9416M	.375

## 3 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/3	41/30	Blk, Wht, Red	9314P	9314C	9314L	9314X	9314M	.400

## 2 CONDUCTOR TRAILER CABLE – BLACK

Gauge/ #Cond.	Stranding	Conductor Colors	50' Box #	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/2	41/30	Blk, Wht	9214P	9214C	9214L	9214X	9214M	.380

## beeFlex™ Starter Cable

### -Meets SAE J1127 Type SGT Specifications

- Annealed soft Rope Stranded Copper for Flexibility
- Flexible abrasion resistance PVC Insulation
- Temperature rating of 80°C (176°F)
- 50 Volts or less

Gauge	Color	Stranding	25' Box #	50' Box #	100' Box #	250' Spool #	500' Spool #	O.D.
6	Red	133	206-5T	206-5P	206-5C	206-5L	206-5X	.341
6	Black	133	206-7T	206-7P	206-7C	206-7L	206-7X	.341
4	Red	133	204-5T	204-5P	204-5C	204-5L	204-5X	.352
4	Black	133	204-7T	204-7P	204-7C	204-7L	204-7X	.352
2	Red	196	202-5T	202-5P	202-5C	202-5L	202-5X	.445
2	Black	196	202-7T	202-7P	202-7C	202-7L	202-7X	.445
1	Red	245	201-5T	201-5P	201-5C	201-5L	201-5X	.475
1	Black	245	201-7T	201-7P	201-7C	201-7L	201-7X	.475
1/0	Red	315	210-5T	210-5P	210-5C	210-5L	210-5X	.505
1/0	Black	315	210-7T	210-7P	210-7C	210-7L	210-7X	.505
2/0	Red	406	220-5T	220-5P	220-5C	220-5L	220-5X	.565
2/0	Black	406	220-7T	220-7P	220-7C	220-7L	220-7X	.565
3/0	Red	525	230-5T	230-5P	230-5C	230-5L	230-5X	.675
3/0	Black	525	230-7T	230-7P	230-7C	230-7L	230-7X	.675
4/0	Red	588	240-5T	240-5P	240-5C	240-5L	240-5X	.750
4/0	Black	588	240-7T	240-7P	240-7C	240-7L	240-7X	.750

## 600 Volts Class K-Neoprene Welding Cable

- Highly Flexible Soft-drawn Copper
- Flame, oil, abrasion, tear and grease resistance
- Temperature rating of -40°C to 90°C (-40°F to 194°F)

Gauge	Color	Stranding	25' Box #	50' Box #	100' Box #	250' Spool #	500' Spool #	O.D.
6	Red	266	406-5T	406-5P	406-5C	406-5L	406-5X	.340
6	Black	266	406-7T	406-7P	406-7C	406-7L	406-7X	.340
4	Red	420	404-5T	404-5P	404-5C	404-5L	404-5X	.380
4	Black	420	404-7T	404-7P	404-7C	404-7L	404-7X	.380
2	Red	665	402-5T	402-5P	402-5C	402-5L	402-5X	.440
2	Black	665	402-7T	402-7P	402-7C	402-7L	402-7X	.440
1	Red	836	401-5T	401-5P	401-5C	401-5L	401-5X	.530
1	Black	836	401-7T	401-7P	401-7C	401-7L	401-7X	.530
1/0	Red	1064	410-5T	410-5P	410-5C	410-5L	410-5X	.580
1/0	Black	1064	410-7T	410-7P	410-7C	410-7L	410-7X	.580
2/0	Red	1323	420-5T	420-5P	420-5C	420-5L	420-5X	.615
2/0	Black	1323	420-7T	420-7P	420-7C	420-7L	420-7X	.615
3/0	Red	1666	430-5T	430-5P	430-5C	430-5L	430-5X	.690
3/0	Black	1666	430-7T	430-7P	430-7C	430-7L	430-7X	.690
4/0	Red	2035	440-5T	440-5P	440-5C	440-5L	440-5X	.740
4/0	Black	2035	440-7T	440-7P	440-7C	440-7L	440-7X	.740

## HOW TO SELECT GAUGE OF CABLE REQUIRED

Table 1 has been formulated to indicate the maximum circuit length in feet before a voltage drop of 1/2 volt is reached in a 6 volt system.

**EXAMPLE:** Assume that six-volt lamp circuit is 23 feet in total length and requires 7.5 amperes.

Read across the 6-volt system line (Table I) to 7.5 amperes. Then read down to the first figure in Table II that is greater than the 23 feet required; this figure is 24 feet. Now read directly to the left, from 24 feet (on the same line), and you will find 14 gauge conductor adequate for this application.

**NOTE:** Since this table is based on a 1/2-volt drop allowance; specific drops can be easily determined by the following:

For a 1/8 volt-drop—Divide Table I allowable lengths by four.

For a 1/4 volt-drop—Divide Table I allowable lengths by two.

For a 1 volt-drop—Multiply Table I allowable lengths by two.

For a 2 volt-drop—Multiply Table I allowable lengths by four.

TABLE I																				
SYSTEM	AMPERAGE LOAD IN CIRCUIT																			
6 Volt	0.5	0.75	1	1.5	2	2.5	3	3.5	4	5	6	7.5	10	12	15	18	25	50	75	10
12 Volt	1	1.5	2	3	4	5	6	7	8	10	12	15	20	24	30	36	50	10	15	20
24 Volt	2	3	4	6	8	10	12	14	16	20	24	30	40	48	60	72	10	20	30	40

  

TABLE II																				
GAUGE	ALLOWABLE CONDUCTOR LENGTH-FEET IN CIRCUIT BEFORE 1/2 VOLT LOSS																			
20	106	70	53	35	26	21	17	15	13	10	8	7	5	4	3	3	2	1	0	0
18	150	100	75	50	37	30	25	21	18	15	12	10	7	6	5	4	3	1	1	0
16	224	144	112	74	56	44	37	32	28	22	18	14	11	9	7	6	4	2	1	1
14	362	241	181	120	90	72	60	51	45	36	30	24	18	15	12	10	7	3	2	1
12	572	381	286	190	143	114	95	81	71	57	47	38	28	23	19	15	11	5	3	2
10	908	605	454	302	227	181	151	129	113	90	75	60	45	37	30	25	18	9	6	4
8	1452	967	726	483	363	290	241	207	181	145	120	96	72	60	48	40	29	14	9	7
6	2342	1560	1171	780	585	468	390	334	292	234	194	155	117	97	78	65	46	23	15	11
4	3702	2467	1851	123	925	740	616	529	462	370	307	246	185	15	12	10	74	37	24	18
2	6060	4038	3030	201	151	121	100	866	757	606	503	403	303	25	20	16	12	60	40	30
1	7692	5126	3846	256	192	153	128	110	961	769	638	511	384	32	25	21	15	76	51	38
1/0	9708	6470	4854	323	242	194	161	138	121	970	805	645	485	40	32	26	19	97	64	48
2/0	1219	8127	6097	406	304	243	203	174	152	121	101	810	609	50	40	33	24	12	81	60
3/0	1562	1041	7812	520	390	312	260	223	193	156	129	103	781	65	52	43	31	15	10	78
4/0	2000	1333	1000	666	500	400	333	286	250	200	166	133	100	83	66	55	40	20	13	10

Wire gauge usage in shaded area not recommended for 12-volt system.

Wire gauge usage beyond solid line not recommended for 24-volt system.

In either case for amperage load use the next larger gauge below the shaded area or solid line.

## SUGGESTED GAUGES FOR ELECTRICAL CIRCUITS

Note: If circuit is longer then 10 feet, use next larger gauge wire size.

Electrical Equipment	6-Volt Sys.	12-Volt Sys.	Electrical Equipment	6-Volt System	12-Volt System
	Gauge	Gauge		Gauge	Gauge
Cigarette Lighter	14	16	Heater to Fuse Block	14	16
Ammeter to Fuse Block	10	12	Horn Button Circuit	14	16
Ignition Switch Feed	10	12	Horn to Relay & Battery	10	12
Battery to Ammeter	10	12	Instrument Lamps/Sending Units	16	18
Coil Wire (Low Tension)	14	16	Light Switch to Relay or Fuse	12	14
Interior Lights	16	18	Parking/Direction Signals	16	18
Fuel Gauge	16	18	Radio to Ammeter or Fuse	16	18
Gen/Alternator to Starter Relay	10	12	Back-up Lights	16	18
Gen/Alternator to Regulator	14	16	Tail Lights	16	18
Marker (Fender) Light	16	18	Stop Lights	16	18
Head Light Circuit	14	16	Windshield Wiper & Washer	14	16
Head Light Relay	10	12			

# beeFlex™ GPT Primary Wire

## -Meets SAE J1128 GPT Specifications

- Multi-Use Primary Wire
- Recommended for Trucks, Tractors and Cars
- Stranded annealed soft copper
- Flexible PVC Insulation
- 50 Volts or less
- Temperature rating of 80°C (176°F)
- Straight line, Spiral or Hash mark Stripping available
- Printing available

Color		100' Spool #	250' Spool #	500' Spool #	1000' Spool #
8 Gauge 168/30 Stranding .230 O.D.	Blue	108-1C	108-1L	108-1X	108-1M
	White	108-2C	108-2L	108-2X	108-2M
	Green	108-3C	108-3L	108-3X	108-3M
	Red	108-5C	108-5L	108-5X	108-5M
	Black	108-7C	108-7L	108-7X	108-7M

Color	Mini 10' Coil #	Mini 10' Spool #	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	
10 Gauge	Blue	110-1PR	110-1P	110-1C	110-1L	110-1X	110-1M
	White	110-2PR	110-2P	110-2C	110-2L	110-2X	110-2M
	Green	110-3PR	110-3P	110-3C	110-3L	110-3X	110-3M
	Yellow	110-4PR	110-4P	110-4C	110-4L	110-4X	110-4M
	Red	110-5PR	110-5P	110-5C	110-5L	110-5X	110-5M
19/23 Stranding	Brown	110-6PR	110-6P	110-6C	110-6L	110-6X	110-6M
	Black	110-7PR	110-7P	110-7C	110-7L	110-7X	110-7M
	Orange	110-8PR	110-8P	110-8C	110-8L	110-8X	110-8M
	Pink	110-9PR	110-9P	110-9C	110-9L	110-9X	110-9M
	Purple	110-10PR	110-10P	110-10C	110-10L	110-10X	110-10M
.175 O.D.	Gray	110-11PR	110-11P	110-11C	110-11L	110-11X	110-11M
	Tan	110-12PR	110-12P	110-12C	110-12L	110-12X	110-12M
	Lt.Blue	110-13PR	110-13P	110-13C	110-13L	110-13X	110-13M
	Lt.Green	110-14PR	110-14P	110-14C	110-14L	110-14X	110-14M

Color	Mini 15' Coil #	Mini 15' Spool #	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	
12 Gauge	Blue	112-1PR	112-1P	112-1C	112-1L	112-1X	112-1M
	White	112-2PR	112-2P	112-2C	112-2L	112-2X	112-2M
	Green	112-3PR	112-3P	112-3C	112-3L	112-3X	112-3M
	Yellow	112-4PR	112-4P	112-4C	112-4L	112-4X	112-4M
	Red	112-5PR	112-5P	112-5C	112-5L	112-5X	112-5M
19/25 Stranding	Brown	112-6PR	112-6P	112-6C	112-6L	112-6X	112-6M
	Black	112-7PR	112-7P	112-7C	112-7L	112-7X	112-7M
	Orange	112-8PR	112-8P	112-8C	112-8L	112-8X	112-8M
	Pink	112-9PR	112-9P	112-9C	112-9L	112-9X	112-9M
	Purple	112-10PR	112-10P	112-10C	112-10L	112-10X	112-10M
.145 O.D.	Gray	112-11PR	112-11P	112-11C	112-11L	112-11X	112-11M
	Tan	112-12PR	112-12P	112-12C	112-12L	112-12X	112-12M
	Lt.Blue	112-13PR	112-13P	112-13C	112-13L	112-13X	112-13M
	Lt.Green	112-14PR	112-14P	112-14C	112-14L	112-14X	112-14M

# beeFlex™ GPT Primary Wire

	Color	Mini 25' Coil #	Mini 25' Spool #	100' Spool #	250' Spool #	500' Spool #	1000' Spool #
14 Gauge  19/27 Stranding  .120 O.D.	Blue	114-1PR	114-1P	114-1C	114-1L	114-1X	114-1M
	White	114-2PR	114-2P	114-2C	114-2L	114-2X	114-2M
	Green	114-3PR	114-3P	114-3C	114-3L	114-3X	114-3M
	Yellow	114-4PR	114-4P	114-4C	114-4L	114-4X	114-4M
	Red	114-5PR	114-5P	114-5C	114-5L	114-5X	114-5M
	Brown	114-6PR	114-6P	114-6C	114-6L	114-6X	114-6M
	Black	114-7PR	114-7P	114-7C	114-7L	114-7X	114-7M
	Orange	114-8PR	114-8P	114-8C	114-8L	114-8X	114-8M
	Pink	114-9PR	114-9P	114-9C	114-9L	114-9X	114-9M
	Purple	114-10PR	114-10P	114-10C	114-10L	114-10X	114-10M
	Gray	114-11PR	114-11P	114-11C	114-11L	114-11X	114-11M
	Tan	114-12PR	114-12P	114-12C	114-12L	114-12X	114-12M
	Lt.Blue	114-13PR	114-13P	114-13C	114-13L	114-13X	114-13M
	Lt.Green	114-14PR	114-14P	114-14C	114-14L	114-14X	114-14M

	Color	Mini 35' Coil #	Mini 35' Spool #	100' Spool #	250' Spool #	500' Spool #	1000' Spool #
16 Gauge  19/29 Stranding  .105 O.D.	Blue	116-1PR	116-1P	116-1C	116-1L	116-1X	116-1M
	White	116-2PR	116-2P	116-2C	116-2L	116-2X	116-2M
	Green	116-3PR	116-3P	116-3C	116-3L	116-3X	116-3M
	Yellow	116-4PR	116-4P	116-4C	116-4L	116-4X	116-4M
	Red	116-5PR	116-5P	116-5C	116-5L	116-5X	116-5M
	Brown	116-6PR	116-6P	116-6C	116-6L	116-6X	116-6M
	Black	116-7PR	116-7P	116-7C	116-7L	116-7X	116-7M
	Orange	116-8PR	116-8P	116-8C	116-8L	116-8X	116-8M
	Pink	116-9PR	116-9P	116-9C	116-9L	116-9X	116-9M
	Purple	116-10PR	116-10P	116-10C	116-10L	116-10X	116-10M
	Gray	116-11PR	116-11P	116-11C	116-11L	116-11X	116-11M
	Tan	116-12PR	116-12P	116-12C	116-12L	116-12X	116-12M
	Lt.Blue	116-13PR	116-13P	116-13C	116-13L	116-13X	116-13M
	Lt.Green	116-14PR	116-14P	116-14C	116-14L	116-14X	116-14M

	Color	Mini 50' Coil #	Mini 50' Spool #	100' Spool #	250' Spool #	500' Spool #	1000' Spool #
18 Gauge  16/30 Stranding  .094 O.D.	Blue	118-1PR	118-1P	118-1C	118-1L	118-1X	118-1M
	White	118-2PR	118-2P	118-2C	118-2L	118-2X	118-2M
	Green	118-3PR	118-3P	118-3C	118-3L	118-3X	118-3M
	Yellow	118-4PR	118-4P	118-4C	118-4L	118-4X	118-4M
	Red	118-5PR	118-5P	118-5C	118-5L	118-5X	118-5M
	Brown	118-6PR	118-6P	118-6C	118-6L	118-6X	118-6M
	Black	118-7PR	118-7P	118-7C	118-7L	118-7X	118-7M
	Orange	118-8PR	118-8P	118-8C	118-8L	118-8X	118-8M
	Pink	118-9PR	118-9P	118-9C	118-9L	118-9X	118-9M
	Purple	118-10PR	118-10P	118-10C	118-10L	118-10X	118-10M
	Gray	118-11PR	118-11P	118-11C	118-11L	118-11X	118-11M
	Tan	118-12PR	118-12P	118-12C	118-12L	118-12X	118-12M
	Lt.Blue	118-13PR	118-13P	118-13C	118-13L	118-13X	118-13M
	Lt.Green	118-14PR	118-14P	118-14C	118-14L	118-14X	118-14M

# SXL Cross-link Primary Wire

## -Meets SAE J1128 Specifications

-Meets Ford (M1L-85A) Chrysler (MS-5919)

-Recommended for Trucks, Tractors and Cars

engine compartment where higher heat resistance is required

-Stranded annealed soft copper

-Temperature rating of -51°C to 125°C (-59°F to 257°F)

-Straight line, Spiral or Hash mark Striping available

-Printing available

	Color	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	3000' Spool #
10 Gauge	Blue	310-1C	310-1L	310-1X	310-1M	310-1-3M
	White	310-2C	310-2L	310-2X	310-2M	310-2-3M
	Green	310-3C	310-3L	310-3X	310-3M	310-3-3M
19/23 Stranding	Yellow	310-4C	310-4L	310-4X	310-4M	310-4-3M
	Red	310-5C	310-5L	310-5X	310-5M	310-5-3M
	Brown	310-6C	310-6L	310-6X	310-6M	310-6-3M
.193 O.D.	Black	310-7C	310-7L	310-7X	310-7M	310-7-3M
	Orange	310-8C	310-8L	310-8X	310-8M	310-8-3M

	Color	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	4000' Spool #
12 Gauge	Blue	312-1C	312-1L	312-1X	312-1M	312-1-4M
	White	312-2C	312-2L	312-2X	312-2M	312-2-4M
	Green	312-3C	312-3L	312-3X	312-3M	312-3-4M
19/25 Stranding	Yellow	312-4C	312-4L	312-4X	312-4M	312-4-4M
	Red	312-5C	312-5L	312-5X	312-5M	312-5-4M
	Brown	312-6C	312-6L	312-6X	312-6M	312-6-4M
.163 O.D.	Black	312-7C	312-7L	312-7X	312-7M	312-7-4M
	Orange	312-8C	312-8L	312-8X	312-8M	312-8-4M

	Color	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	5000' Spool #
14 Gauge	Blue	314-1C	314-1L	314-1X	314-1M	314-1E
	White	314-2C	314-2L	314-2X	314-2M	314-2E
	Green	314-3C	314-3L	314-3X	314-3M	314-3E
19/27 Stranding	Yellow	314-4C	314-4L	314-4X	314-4M	314-4E
	Red	314-5C	314-5L	314-5X	314-5M	314-5E
	Brown	314-6C	314-6L	314-6X	314-6M	314-6E
.141 O.D.	Black	314-7C	314-7L	314-7X	314-7M	314-7E
	Orange	314-8C	314-8L	314-8X	314-8M	314-8E

	Color	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	8000' Spool #
16 Gauge	Blue	316-1C	316-1L	316-1X	316-1M	316-1-8M
	White	316-2C	316-2L	316-2X	316-2M	316-2-8M
	Green	316-3C	316-3L	316-3X	316-3M	316-3-8M
19/29 Stranding	Yellow	316-4C	316-4L	316-4X	316-4M	316-4-8M
	Red	316-5C	316-5L	316-5X	316-5M	316-5-8M
	Brown	316-6C	316-6L	316-6X	316-6M	316-6-8M
.120 O.D.	Black	316-7C	316-7L	316-7X	316-7M	316-7-8M
	Orange	316-8C	316-8L	316-8X	316-8M	316-8-8M



## SXL Cross-link Primary Wire

	Color	100' Spool #	250' Spool #	500' Spool #	1000' Spool #	10,000' Spool #
18 Gauge	Blue	318-1C	318-1L	318-1X	318-1M	318-1-10M
	White	318-2C	318-2L	318-2X	318-2M	318-2-10M
16/30 Stranding	Green	318-3C	318-3L	318-3X	318-3M	318-3-10M
	Yellow	318-4C	318-4L	318-4X	318-4M	318-4-10M
	Red	318-5C	318-5L	318-5X	318-5M	318-5-10M
.107 O.D.	Brown	318-6C	318-6L	318-6X	318-6M	318-6-10M
	Black	318-7C	318-7L	318-7X	318-7M	318-7-10M
	Orange	318-8C	318-8L	318-8X	318-8M	318-8-10M

## beeFlex™ Jacketed Parallel Primary Wire

- Meets SAE J1128 Specifications
- Used in trucks, buses, tractors, cars etc.
- 50 Volts or less
- PVC Gray flat jacket
- Packaged on Spools

### Automotive Duplex Wire (Color: Wht, Blk)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
10/2	19/23	1102C	1102L	1102X	1102M	.215 X .575
12/2	19/25	1122C	1122L	1122X	1122M	.187 X .365
14/2	19/27	1142C	1142L	1142X	1142M	.165 X .288
16/2	19/29	1162C	1162L	1162X	1162M	.145 X .245
18/2	16/30	1182C	1182L	1182X	1182M	.130 X .220

### Automotive Triplex Wire (Color: Yel, Brn, Grn)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/3	19/25	1123C	1123L	1123X	1123M	.187 X .472
14/3	19/27	1143C	1143L	1143X	1143M	.165 X .410
16/3	19/29	1163C	1163L	1163X	1163M	.145 X .350
18/3	16/30	1183C	1183L	1183X	1183M	.130 X .312

### Automotive Quadraplex Wire (Color: Yel, Brn, Grn, Wht)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/4	19/25	1124C	1124L	1124X	1124M	.187 X .618
14/4	19/27	1144C	1144L	1144X	1144M	.165 X .535
16/4	19/29	1164C	1164L	1164X	1164M	.145 X .410

# beeFlex™ Bonded Parallel Primary Wire

- Meets SAE J1128 Specifications
- Used in RVs and Utility trailers
- 50 Volts or less
- PVC Insulation 80°C (176°F)

## Two Conductors (Color: Blk, Red)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/2	19/27	10142C	10142L	10142X	10142M	.119 X .240
16/2	19/29	10162C	10162L	10162X	10162M	.104 X .210
18/2	16/30	10182C	10182L	10182X	10182M	.092 X .186

## Three Conductor (Color: Yel, Brn, Grn)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/3	19/25	10123C	10123L	10123X	10123M	.143 X .432
14/3	19/27	10143C	10143L	10143X	10143M	.119 X .358
16/3	19/29	10163C	10163L	10163X	10163M	.104 X .312
18/3	16/30	10183C	10183L	10183X	10183M	.092 X .279

## Four Conductor (Color: Yel, Brn, Grn, Wht)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
12/4	19/25	10124C	10124L	10124X	10124M	.143 X .575
14/4	19/27	10144C	10144L	10144X	10144M	.199 X .480
16/4	19/29	10164C	10164L	10164X	10164M	.104 X .416

## Five Conductor (Color: Yel, Brn, Grn, Wht, Red)

Gauge/ #Cond.	Stranding	100' Box #	250' Spool #	500' Spool #	1000' Spool #	O.D.
14/5	19/27	10145C	10145L	10145X	10145M	.119 X .600

# beeFlex™ Stereo Speaker Wire

- UL LISTED CL2 File #E123208
- One bright Tinned and One Bare soft annealed stranded Copper wire
- Smooth Clear .030 wall PVC Insulation
- Packaged on Spool
- Optional 1,000 ft. bee-Quick easy Pull box available

Gauge/ #Cond.	Stranding	100' Spool #	1000' Spool #	O.D.
22/2	7/30	61720C	61720M	.090 X .185
18/2	16/30	61730C	61730M	.105 X .214
16/2	26/30	61800C	61800M	.121 X .247
14/2	41/30	61805C	61805M	.137 X .279
12/2	65/30	61806C	61806M	.154 X .313

## Type SJOOW – Service Cord

- UL, CSA and MSHA listed
- 300 Volts, Oil and Water-resistant
- Temperature rating of 90°C (194°F)
- Color Code: Blk, Wht, Grn

Gauge/ #Cond.	Stranding	100' Spool #	250' Spool #	O.D.
16/2	26	53500C	53500L	.305
16/3	26	53501C	53501L	.325
14/2	41	53502C	53502L	.335
14/3	41	53504C	53504L	.360
12/2	65	53505C	53505L	.405
12/3	65	53506C	53506L	.425

## Charging Cable

- Exceptional abrasion
- Flexible

100' Spool #	Gauge/ #Cond.	Color	O.D.
204/2-1C	4/2	Blue and Blue w/Polarity ridge	.305
402/2-7C	2/2	Black and Black w/Red Stripe	.325

## Extra Heavy Duty Booster Cable

Cat. #	Gauge	Length	Clamp
6416	4	16'	500 AMP Steel Clamps
6416PL	4	16'	500 AMP Plastic Clamps
6425	4	25'	500 AMP Steel Clamps
6425PL	4	25'	500 AMP Plastic Clamps
6216	2	16'	500 AMP Steel Clamps
6216PL	2	16'	500 AMP Plastic Clamps
6225	2	25'	500 AMP Steel Clamps
6225PL	2	25'	500 AMP Plastic Clamps

Cat. #	Clamp
6501	500 AMP Steel Clamps – Black and Red set
6502	800 AMP Steel Clamps – Black and Red set
6511	500 AMP Plastic Clamps – Black and Red set
6512	800 AMP Plastic Clamps – Black and Red set

## Rubber Insulated Clamps

- Cold rolled Steel
- Zinc finish
- Rubber cushion

Mounting Hole	Tube Size	50 Pcs, Bag #
1/4"	3/16"	20809
1/4"	1/4"	20810
1/4"	3/8"	20801
1/4"	7/16"	20812
1/4"	1/2"	20802
1/4"	9/16"	20813
1/4"	5/8"	20803
1/4"	3/4"	20804
1/4"	7/8"	20805
1/4"	1"	20806
1/4"	1 1/8"	20814
1/4"	1 1/4"	20807
1/4"	1 3/8"	20808
1/4"	2 7/16"	20815
3/8"	3/16"	20851
3/8"	7/16"	20855
3/8"	9/16"	20857
3/8"	5/8"	20858
3/8"	3/4"	20859
3/8"	7/8"	20860
3/8"	1 1/8"	20862
3/8"	1 3/8"	20864
3/8"	2 7/16"	20865

## Nylon Clamps

Mounting Hole	Tube Size	50 Pcs, Bag #
13/64"	1/8"	20901
13/64"	3/16"	20902
13/64"	5/16"	20903
13/64"	3/8"	20904
13/64"	1/2"	20906
13/64"	7/8"	20905

## Grommets

Grove Width	Drill Diameter	Center Hole ID	50 Pcs, Bag #
1/16"	5/16"	3/16"	12901
1/16"	3/8"	1/4"	12902
1/16"	7/16"	5/16"	12903
1/16"	1/2"	3/8"	12904
1/16"	13/16"	1/2"	12905
1/16"	7/8"	5/8"	12906
1/16"	1 1/16"	3/4"	12907
1/4"	1 1/16"	3/4"	12911
1/4"	1 3/8"	1"	12912
1/4"	1 3/4"	1 1/2"	12913

## Frame Clips – Snap on Type

-Bag of 100 Pcs.

Cat. No.	Size
20920	3/16"
20921	1/4"
20922	3/8"

## Mechanics Wire

-All purpose Heavy Duty Black Annealed

Wire GA.	2 lbs. Spool #	5 lbs. Spool #
14	53714-2	53714
16	53716-2	53716
18	53718-2	53718

# Electrical Terminals

## Vinyl Insulated Terminals

- Temperature range -40°C to 105°C (-40°F to 221°F)
- Flared rigid molded Polyvinyl Chloride Sleeve
- Funneled for easy wire entry
- UL listed

## Nylon Insulated Terminals

- Flared, seamless brass sleeve for excellent electrical contact
- Temperature range -40°C to 105°C (-40°F to 221°F)
- Flared molded Nylon Sleeve
- UL listed

## Heat Shrink Insulated Terminals

- Pre-insulated terminals and connectors protect against challenges of environment.
- Corrosion Resistance** -The adhesive lined heat shrink materials, when properly crimped and shrunk, provides a seal that is resistant to water, salt, steam and other related contaminants.
- Improved Mechanical Performance** - The heat shrink tubing adheres, when shrunk, to both the connector and wire insulation, providing improved pullout strength and strain relief.

# Ring Terminals

Wire GA.	Color	Stud Size	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated	50 Pcs. Heat Shrink Insulated
6	Blue	1/4"	14-42	14-42N	
6	Blue	3/8"		14-44N	
6	Blue	1/2"	14-46	14-46N	
8	Red	10		14-51N	
8	Red	1/4"	14-52	14-52N	
8	Red	5/16"		14-53N	
8	Red	3/8"		14-54N	
8	Red	1/2"	14-56	14-56N	
12-10	Yellow	6	14-13	14-13N	
12-10	Yellow	8	14-14	14-14N	14-14H
12-10	Yellow	10	14-19	14-19N	14-19H
12-10	Yellow	1/4"	14-15	14-15N	14-15H
12-10	Yellow	5/16"	14-16	14-16N	
12-10	Yellow	3/8"	14-17	14-17N	14-17H
12-10	Yellow	1/2"	14-18	14-18N	
16-14	Blue	4	14-21		
16-14	Blue	6	14-22	14-22N	14-22H
16-14	Blue	8	14-24	14-24N	14-24H
16-14	Blue	10	14-23	14-23N	14-23H
16-14	Blue	1/4"	14-25	14-25N	14-25H
16-14	Blue	5/16"	14-26	14-26N	14-26H
16-14	Blue	3/8"	14-27	14-27N	14-27H
22-18	Red	4	14-31		
22-18	Red	6	14-32	14-32N	14-32H
22-18	Red	8	14-34	14-34N	14-34H
22-18	Red	10	14-36	14-36N	14-36H
22-18	Red	1/4"	14-35	14-35N	
22-18	Red	5/16"	14-37	14-37N	
22-18	Red	3/8"	14-38	14-38N	

## Spade Terminals

Wire GA.	Color	Stud Size	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated	50 Pcs. Heat Shrink Insulated
12-10	Yellow	6	14-62	14-62N	
12-10	Yellow	8	14-63	14-63N	14-63H
12-10	Yellow	10	14-64	14-64N	14-64H
16-14	Blue	6	14-72	14-72N	14-72H
16-14	Blue	8	14-73	14-73N	14-73H
16-14	Blue	10	14-74	14-74N	14-74H
22-18	Red	6	14-77	14-77N	14-77H
22-18	Red	8	14-78	14-78N	14-78H
22-18	Red	10	14-79	14-79N	14-79H

## Hook Terminals

Wire GA.	Color	Stud Size	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated
12-10	Yellow	6	14-82	
12-10	Yellow	8	14-83	
12-10	Yellow	10	14-84	14-84N
16-14	Blue	10	14-94	14-94N
22-18	Red	6	14-98	14-98N

## Butt Terminals

Wire GA.	Color	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated	50 Pcs. Heat Shrink Insulated
6	Blue	15-10		
8	Red	15-20		
12-10	Yellow	15-30	15-30N	15-30H
16-14	Blue	15-40	15-40N	15-40H
22-18	Red	15-50	15-50N	15-50H

## Bullet Male and Female Terminals

Wire GA.	Color	Snap Diameter	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated
16-14	Blue	Male - .156	15-60	15-60N
16-14	Blue	Fem. - .156		15-61N
	Clear	Double Fem. - .156	15-80	
16-14	Blue	Male - .180	15-70	15-70N
16-14	Blue	Fem. - .180		15-71N

## Three-Way Terminals

Wire GA.	Color	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated
12-10	Yellow	17-10	17-10N
16-14	Blue	17-12	17-12N

## Four-Way Terminals

Wire GA.	Color	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated
12-10	Yellow	17-20	17-20N
16-14	Blue	17-22	17-22N

## Quick Disconnect Terminals

.250 X .030 Tabs

Wire GA.	Color	Male Female	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated
12-10	Yellow	Male	17-30	17-30N
12-10	Yellow	Female	17-32	17-32N
16-14	Blue	Male	17-34	17-34N
16-14	Blue	Female	17-36	17-36N
22-18	Red	Male	17-28	17-28N
22-18	Red	Female	17-29	17-29N

## Fully Insulated Quick Disconnect Terminals

.250 X .032 Tabs

Wire GA.	Color	Male Female	100 Pcs. Vinyl Insulated	100 Pcs. Nylon Insulated	50 Pcs. Heat Shrink Insulated
12-10	Yellow	Male		17-57N	17-57H
12-10	Yellow	Female		17-58N	17-58H
16-14	Blue	Male	17-38	17-38N	17-38H
16-14	Blue	Female		17-40N	17-40H
22-18	Red	Male		17-55N	17-55H
22-18	Red	Female		17-56N	17-56H
	Clear	Dbl. Male	17-46		



## Crimp Sleeve Connectors

Wire GA.	Color	Barrel Length X ID	100 Pcs. Nylon Insulated
18-10	Clear	0.34 X 0.152	17-42N
22-14	Clear	0.31 X 0.091	17-44N

## Scotchlok™ Connectors

Wire GA.	Color	Type	Bee Cat. No. 100 Pcs.
18-16 Solid 14 Stranded	Blue	Tap and Parallel	17-50
22-18 Tap 18-14 Run	Red	Tap and Run	17-52
18-14	Black	Disconnect	17-53
22-18	Red	T-tap Disconnect	17-65
18-14	Blue	T-tap Disconnect	17-66
12	Yellow	T-tap Disconnect	17-67

## Round Wire Spring Twist on Connectors

Wire GA.	Color	Maximum Voltage Rating	Bee Cat. No. 100 Pcs.
22-16	Gray	300V	17-61
22-14	Blue	300V	17-62
18-14	Orange	600V	17-63
18-10	Yellow	600V	17-64

## Terminal Kit with Crimp Tool

Cat. No. 17-80 Terminal Kit with Crimp Tool	
22-18 #10 Stud Red Vinyl Ring Term	12
16-14 #6 Stud Blue Vinyl Ring Term	12
16-14 #10 Stud Blue Vinyl Ring Term	12
12-10 #10 Stud Yel Vinyl Ring Term	8
22-18 #6 Stud Red Vinyl Fork Term	12
16-14 #6 Stud Blue Vinyl Fork Term	12
16-14 #10 Stud Blue Vinyl Fork Term	12
16-14 .250 Blue Fem Vinyl Quick Disc	12
22-18 Red Butt Vinyl Term	11
16-14 Blue Butt Vinyl Term	10
22-14 Nylon Close End Conn.	13
18-14 Nylon Close End Conn.	8
Stripping & Crimping Tool (17-86)	1

# Extra Heavy Duty Copper Battery Terminals

**-Color Coded**

- Tin plated for corrosion protection
- Over 93% pure cast copper

GA.	Die Code Setting	Straight Terminals			Open Flag Terminals		Right Elbow Terminals		Left Elbow Terminals	
		Neg.	Pos.	Univ.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.
6	Gray J-H			3501						
4	Green J-H			3504						
1-2	Pink H-H	3510	3513	3507						
1/0	Black E-A	3516	3519		3542	3545	3569	3572	3593	3596
2/0	Orange A-C	3521	3524		3548	3551	3575	3578	3599	3601
2/0*	Orange A-C		3527							
3/0	Purple A-B	3530	3533		3557	3560	3581	3584	3604	3607
4/0	Yellow A-A	3536	3539		3563	3566	3587	3590	3610	3613

\*With third wire capability

# Extra Heavy Duty Copper Lugs and Splices

# Solder Pallets

**-Color Coded**

- Seamless tubular 100% electrolytic Copper
- Tin plated for corrosion protection

GA.	Die Code Setting	1/4" Stud #	3/8" Stud #	1/2" Stud #	Splices
4	Gray J-H	3404-14	3404-38	3404-12	3451
1-2	Pink H-H		3401-38	3401-12	3455
1/0	Black E-A		3410-38	3410-12	3461
2/0	Orange A-C		3420-38	3420-12	3465
3/0	Purple A-B		3430-38	3430-12	3471

Cat. #	Description
3681	4 Ga. Gray
3682	2 Ga. Green
3683	1 Ga. Pink
3684	1/0 Ga. Black
3685	2/0 Ga. Orange
3686	3/0 Ga. Purple
3687	4/0 Ga. Yellow

# 3/8 Stud Group 31 Terminals

# LOC Stackable Terminals

	Stud Top Single barrel Side Mount Terminal	Stud Top Double/Splice Side Mount Terminal
GA.	Univ.	Univ.
4	3616	
1-2	3619	
1/0	3621	3633
2/0	3624	3636
2/0	3625*	
3/0	3627	3639
4/0	3630	3642

\*3624 w/Accessory stud hole

GA.	3/8" Stud Single Barrel	3/8" Stud Double Barrel
4	3645	
1-2	3648	
1/0	3651	3663
2/0	3654	3666
3/0	3657	3669
4/0	3660	3672

## Emergency & Marine Terminals and Accessories

Cat. #	Description
3674	Brass Quick Disconnect
3675	8-2/0 Ga. Lead Universal Post
3676	2/0-4/0 Ga. Lead Universal Post
3677	Universal Lead 5/16" Marine Terminal

## Heavy Duty Copper Lugs

- High-grade annealed copper
- Flared ends
- 25% more copper where stress is greatest

GA.	#10 Stud #	1/4" Stud #	5/16" Stud #	3/8" Stud #	1/2" Stud #	Std. Pcs. Per Bag
8	3031					25
6		3032	3032-516			25
4		3033	3033-516	3033-38	3033-12	25
2		3034-14	3034-516	3034		25
1		3035-14	3035-516	3035		25
1/0			3036-516	3036	3037	25
2/0				3038	3039	25
3/0			3040	3041	3042	25
4/0				3043	3044	25

## Heavy Duty Battery Cables

Switch to Starter Cable		
GA.	Length	Cat. No.
2	18"	3111

Universal Battery Cable - Black		
GA.	Length	Cat. No.
2/0	8"	3221
2/0	12"	3222
2/0	14"	3223

Top Stud Stackable Black Battery Cable		
GA.	Length	Cat. No.
2/0	8"	3241
2/0	12"	3242
2/0	15"	3243

Ground Straps		
GA.	Length	Cat. No.
4	12"	3191
4	18"	3192

## Shrink Tubing – Single Wall

- 2:1 Ratio
- Flexible Polyolefin
- Meets UL, CSA and MIL=DTL-23053/5

Cat. No	Wire GA.	Color	Exp. I.D.	After Recovery	Pieces or Ft.
20710	8-6	Black	.375"	.187"	10-6"
20710-200	8-6	Black	.375"	.187"	200'
20711	12-10	Yellow	.250"	.125"	10-6"
20711-200	12-10	Yellow	.250"	.125"	200'
20712	16-14	Blue	.187"	.093"	10-6"
20712-250	16-14	Blue	.187"	.093"	250"
20713	18-22	Red	.125"	.062"	10-6"
20713-500	18-22	Red	.125"	.062"	500'
20714	18-22	Black	.125"	.062"	10-6"
20714-500	18-22	Black	.125"	.062"	500'

# Shrink Tubing – Dual Wall

- 3:1 Ratio
- Adhesive lined Polyolefin
- Meets UL and MIL=DTL-23053/4 class 3

Cat. No	Wire GA.	Color	Exp. I.D.	After Recovery	Pieces or Ft.
20730	6-4	Black	.375"	.120"	6-6"
20730-48	6-4	Black	.375"	.120"	1-48"
20731	2-1	Black	.500"	.160"	6-6"
20731-48	2-1	Black	.500"	.160"	1-48"
20732	1/0-4/0	Black	1.000"	.320"	6-6"
20734	1/0-4/0	Black	1.000"	.320"	1-48"
20733	1/0-4/0	Red	1.000"	.320"	6-6"
20735	1/0-4/0	Red	1.000"	.320"	1-48"

# Polyethylene Split Loom - Black

- Temperature Range -40°F to 200°F
- Good Abrasion Resistance
- Excellent Resistance to Auto Fluids and Chemicals
- Split seam allows easy wire service and insertion

Size	25' Bag #	100' Box #	250' Box #	Big Box #
1/4"	50014T	50014C	50014L	50014-3200'
3/8"	50038T	50038C	50038L	50038-1900'
1/2"	50012T	50012C	50012L	50012-1100'
5/8"	50058T	50058C	50058L	50058-800'
3/4"	50034T	50034C	50034L	50034-600'
1"	50001T	50001C	50001L	50001-350'
1 1/4"	50114T	50114C	50114L	
1 1/2"	-	-	-	50112-150'
2"	-	50002C	-	-

# Nylon Cable Ties

- Standard Pack of 100
- Made in USA

Length	Tensile Strength	Bundle Diameter	Natural #	UV Black #
4"	18 lbs.	.625"	18-04	18-04BL
5.5"	30 lbs.	1.25"	18-05	18-05BL
6.4"	18 lbs.	1.5"	18-06	18-06BL
7.5"	50 lbs.	1.75"	18-07	18-07BL
8.5"	40 lbs.	2"	18-08	18-08BL
11.5"	50 lbs.	3"	18-11	18-11BL
14.7"	120 lbs.	4"	18-13	18-13BL
14.5"	50 lbs.	4"	18-14	18-14BL
8.2"	50 lbs.	1.75"	18-17	18-17BL

## Tools & Tapes

Cat. No.	Description
17-86	Wire Stripping & Crimping Tool 22-10 GA.
17-87	Cable Stripper
17-88	Heavy Duty Cable Cutter up to 2/0 GA.
17-881	Heavy Duty Cable Cutter up to 350MCM
17-89	Crimp Tool 8-4/0 GA.
17-89B	Bench Crimp Tool 6 GA. – 250MCM
17-89C	Compact Crimp Tool 8-1/0 GA.
17-891	Indent Crimp Tool 8-3/0 GA.
17-90	Heat Gun with Deflector Shield
17-901	Mini Butane Torch with Gas Cartridge
17-91	Economical Vinyl Electric Tape 34" X 66'
17-92	3M Super 33+ 3/4" X 66'
5175	Battery Post Cleaner
QC100	ABS Plastic Economy Tie Gun
L-200	Metal Heavy Duty Tie Gun