

CABLE AND WIRE



Jacketing color-coded to identify
ABS, non-ABS and ISO

Wire gauges imprinted on cable for
easy identification*

LECTRAFLEX™

* Standard on all Phillips cable

BULK TRAILER CABLE

- Resistant to chemicals, oils and fuel for consistent
- Paper wrapped for ease of stripping
- Concentric jacketing - copper centered in jacket abrasion resistance

7 CONDUCTOR - 1/8, 2/10, 4/12 GA ABS .700 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 GA	Stranding 10 GA	Stranding 8 GA
3-642	100'	Spool	65 x 30	105 x 30	168 x 30
3-643	250'	Spool	65 x 30	105 x 30	168 x 30

7 CONDUCTOR - 1/10, 6/12 GA .640 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 GA	Stranding 10 GA
3-632	100'	Spool	65 x 30	105 x 30
3-633	250'	Spool	65 x 30	105 x 30

7 CONDUCTOR - 1/12, 6/14 GA .570 O.D. Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 14 GA	Stranding 12 GA
3-622	100'	Spool	41 x 30	65 x 30
3-623	250'	Spool	41 x 30	65 x 30
3-624	500'	Spool	41 x 30	65 x 30

6 CONDUCTOR - 6/14 GA .550 O.D. Black - Brown - Green - Red - White - Yellow

Part No.	Length	Package	Stranding
3-612	100'	Spool	41 x 30
3-613	250'	Spool	41 x 30
3-614	500'	Spool	41 x 30

4 CONDUCTOR - 4/14 GA .440 O.D. Brown - Yellow - Green - White

Part No.	Length	Package	Stranding
3-602	100'	Spool	41 x 30
3-603	250'	Spool	41 x 30
3-604	500'	Spool	41 x 30

3 CONDUCTOR - 3/14 GA .440 O.D. Black - Red - White

Part No.	Length	Package	Stranding
3-662	100'	Spool	41 x 30
3-663	250'	Spool	41 x 30
3-664	500'	Spool	41 x 30
3-665	1000'	Spool	41 x 30

2 CONDUCTOR - 2/14 GA .340 O.D. Black - White

Part No.	Length	Package	Stranding
3-652	100'	Spool	41 x 30
3-653	250'	Spool	41 x 30
3-654	500'	Spool	41 x 30
3-655	1000'	Spool	41 x 30

ARCTIC SUPERFLEX™



- Designed for durability in extreme temperatures
- Stays flexible from -85°F to 175°F (-65°C to 79°C)
- Dark blue jacket color
- Resistant to chemicals, oils & fuels

LECTRAFLEX™



- For ABS applications
- Green jacket
- Superior abrasion resistance
- Stays flexible to -40°F (-40°C)
- Meets SAE J2394 specifications

7 CONDUCTOR - 1/8, 2/10, 4/12 GA. ABS BRIGHT GREEN .700 O.D.
 Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 GA	Stranding 10 GA	Stranding 8 GA
3-326	50'	Spool	65 x 30	105 x 30	168 x 30
3-327	100'	Spool	65 x 30	105 x 30	168 x 30
3-328	250'	Spool	65 x 30	105 x 30	168 x 30
3-329	500'	Spool	65 x 30	105 x 30	168 x 30
3-330	1000'	Spool	65 x 30	105 x 30	168 x 30

DURAFLEX™



- For general trailer re-wiring
- Black jacket
- Stays flexible to -40°F (-40°C)
- Meets SAE J1128 specifications

7 CONDUCTOR - 1/10, 6/12 GA. .570 O.D.
 Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package
3-221	50'	Spool
3-222	100'	Spool
3-223	250'	Spool
3-224	500'	Spool
3-225	1000'	Spool

7 CONDUCTOR - 1/12, 6/14 GA. .500 O.D.
 Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package
3-241	50'	Spool
3-242	100'	Spool
3-243	250'	Spool
3-244	500'	Spool
3-245	1000'	Spool

6 CONDUCTOR - 6/14 GA. .500 O.D.
 Black - Brown - Green - Red - White - Yellow

Part No.	Length	Package
3-201	50'	Spool
3-202	100'	Spool
3-203	250'	Spool
3-204	500'	Spool
3-205	1000'	Spool

4 CONDUCTOR - 4/14 GA. .400 O.D.
 Brown - Yellow - Green - White

Part No.	Length	Package
3-191	50'	Spool
3-192	100'	Spool
3-193	250'	Spool
3-194	500'	Spool
3-195	1000'	Spool

ISOFLEX™

7 CONDUCTOR - 1/8, 2/10, 4/12 GA. ISO BRIGHT YELLOW .770 O.D.
Black - Brown - Blue - Green - Red - White - Yellow

Part No.	Length	Package	Stranding 12 GA	Stranding 10 GA	Stranding 8 GA
3-341	50'	Spool	65 x 30	105 x 30	168 x 30
3-342	100'	Spool	65 x 30	105 x 30	168 x 30
3-343	250'	Spool	65 x 30	105 x 30	168 x 30
3-344	500'	Spool	65 x 30	105 x 30	168 x 30
3-345	1000'	Spool	65 x 30	105 x 30	168 x 30

- Ideal for multiplexing applications
- Twisted pair (green & brown) reduces radio noise
- Superior abrasion resistance
- Bright yellow jacket color
- Stays flexible to -40°F (-40°C)
- Meets SAE J2394



WELDING CABLE

Part No.	Size	Length	Package	Stranding	O.D.
3-406	1/0	25'	Spool	1026 x 30	.059
3-406-100	1/0	100'	Spool	1026 x 30	.059
3-407	2/0	25'	Spool	1273 x 30	.630
3-407-100	2/0	100'	Spool	1273 x 30	.630

- Fine stranding for superior flexibility
- Neoprene jacketing for durability
- Resistant to chemicals, oils and fuels
- Stays flexible to -58°F (-50°C)
- Black jacket
- Rated to 600V



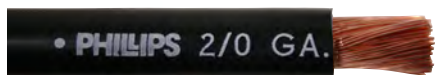
CLEAR-VU™ Corrosion-Detecting Battery Cable

	Size	Length	Stranding	Package	Part No.
CLEAR RED	4 ga	25'	133 x 26	Spool	3-545
	4 ga	100'	133 x 26	Spool	3-545-100
	1 ga	25'	133 x 23	Spool	3-555
	1 ga	100'	133 x 23	Spool	3-555-100
	2/0 ga	25'	259 x 23	Spool	3-565
	2/0 ga	100'	259 x 23	Spool	3-565-100
CLEAR SMOKE	4 ga	25'	133 x 26	Spool	3-546
	4 ga	100'	133 x 26	Spool	3-546-100
	1 ga	25'	133 x 23	Spool	3-556
	1 ga	100'	133 x 23	Spool	3-556-100
	2/0 ga	25'	259 x 23	Spool	3-566
	2/0 ga	100'	259 x 23	Spool	3-566-100
CLEAR	6 ga	25'	133 x 27	Spool	3-526
	4 ga	25'	133 x 26	Spool	3-528
	4 ga	100'	133 x 26	Spool	3-528-100
	2 ga	25'	133 x 24	Spool	3-530
	2 ga	100'	133 x 24	Spool	3-530-100
	1 ga	25'	133 x 23	Spool	3-551
	1 ga	100'	133 x 23	Spool	3-551-100
	2/0 ga	25'	259 x 23	Spool	3-532
	2/0 ga	100'	259 x 23	Spool	3-532-100



- Easy to see corrosion creeping through your battery cable
- Prevents premature battery, starter & alternator replacement
- Rope-style stranding for flexibility
- Easy to strip
- Superior abrasion resistance
- Flexible from -40°F to 150°F (-40°C to 66°C)
- Meets SAE J1127 SGT specifications

Battery Cable



- Rope-style stranding for flexibility
- Easy to strip
- Superior abrasion resistance
- Operating temperature range
-40°F to +150°F (-40°C to 66°C)
- Meets SAE J1127 SGT specifications

	Size	Length	Stranding	Package	Part No.	
RED	6 ga	25'	133 x 27	Spool	3-501	RED
	6 ga	100'	133 x 27	Spool	3-501-100	
	6 ga	250'	133 x 27	Spool	3-501-250	
	4 ga	25'	133 x 26	Spool	3-503	
	4 ga	100'	133 x 26	Spool	3-503-100	
	4 ga	250'	133 x 26	Spool	3-503-250	
	2 ga	25'	133 x 24	Spool	3-505	
	2 ga	100'	133 x 24	Spool	3-505-100	
	2 ga	250'	133 x 24	Spool	3-505-250	
	1 ga	25'	133 x 23	Spool	3-507	
	1 ga	100'	133 x 23	Spool	3-507-100	
	1/0 ga	25'	133 x 21	Spool	3-509	
	1/0 ga	100'	133 x 21	Spool	3-509-100	
	1/0 ga	250'	133 x 21	Spool	3-509-250	
	2/0 ga	25'	133 x 23	Spool	3-511	
	2/0 ga	100'	133 x 23	Spool	3-511-100	
	2/0 ga	250'	133 x 23	Spool	3-511-250	
BLACK	6 ga	25'	133 x 27	Spool	3-502	BLACK
	6 ga	100'	133 x 27	Spool	3-502-100	
	6 ga	250'	133 x 27	Spool	3-502-250	
	4 ga	25'	133 x 24	Spool	3-504	
	4 ga	100'	133 x 24	Spool	3-504-100	
	4 ga	250'	133 x 24	Spool	3-504-250	
	2 ga	25'	133 x 27	Spool	3-506	
	2 ga	100'	133 x 27	Spool	3-506-100	
	2 ga	250'	133 x 27	Spool	3-506-250	
	1 ga	25'	133 x 23	Spool	3-508	
	1 ga	100'	133 x 23	Spool	3-508-100	
	1/0 ga	25'	133 x 21	Spool	3-510	
	1/0 ga	100'	133 x 21	Spool	3-510-100	
	1/0 ga	250'	133 x 21	Spool	3-510-250	
	2/0 ga	25'	259 x 23	Spool	3-512	
	2/0 ga	100'	259 x 23	Spool	3-512-100	
	2/0 ga	250'	259 x 23	Spool	3-512-250	
	3/0 ga	25'	259 x 22	Spool	3-514	
	3/0 ga	100'	259 x 22	Spool	3-514-100	
	4/0 ga	25'	259 x 21	Spool	3-516	
	4/0 ga	100'	259 x 21	Spool	3-516-100	
	4/0 ga	250'	259 x 21	Spool	3-516-250	

Bulk Booster Cable



Part No.	Description
3-518	4 ga, 2 conductor, 100 ft spool

- High abrasion resistance
- Fine stranded for flexibility
- Operating temperature range -40°F to 140°F
(-40°C to 60°C)
- Rated to 200 amps @ 20 ft
- Black/yellow jacket
- Meets SAE J1494

PRIMARY WIRE

- SAE Type GPT (General Purpose Thermoplastic) wire
- Resistant to acids, greases, oils and fuels
- Good abrasion resistance
- Concentric jacketing allows for easy wire stripping
- Soft annealed copper conductors for flexibility
- Operating temperature range -40°F to 150°F (-40°C to 66°C)
- Meets SAE J1128, type GPT

4-Way Connector Chart		Phillips Plug/ Socket ID
Color	Circuits	
White	Ground return	W
Green	Right turn & brake lights	G
Yellow	Left turn & brake lights	R
Brown	Tail lights	B

6-Way Connector Chart		Phillips Plug/ Socket ID
Color	Circuits	
White	Ground return	GD
Brown	Tail lights	TM
Yellow	Left turn	LT
Red	Stop	S
Green	Right turn	RT
Blue	Auxiliary circuit	A

7-Way ATA Connector Chart Per SAE J560		Phillips Plug/ Socket ID
Color	Circuits	
White	Ground return	WHT
Black	Clearance, marker & ID	BLK
Brown	Tail lights	BRN
Yellow	Left turn	YEL
Red	Stop	RED
Green	Right turn	GRN
Blue	Auxiliary/ABS	BLU

HOW TO USE THIS CHART:

1. Measure distance from power source/battery to the most distant lamp
2. Determine the total amp draw by adding the amp draw of all the lamps on the circuit
3. Double the distance to include the ground return wire
4. Determine wire gauge by intersecting the length & amp column on the chart. If the length or total amp draw falls in between columns, always use the higher gauge wire

WIRE GAUGE SELECTION CHART

12-Volt System	Total Length of Cable in Circuit from Battery to Most Distant Lamp Including Ground Side									
Amps (APP.)	2.5 ft	5 ft	10 ft	20 ft	30 ft	40 ft	50 ft	60 ft	80 ft	100 ft
1.0	20	20	20	20	20	20	20	20	20	18
1.5	20	20	20	20	20	20	20	20	18	18
2	20	20	20	20	20	20	16	16	18	18
3	20	20	20	20	20	18	18	16	16	14
4	20	20	20	20	18	16	16	16	14	12
5	20	20	20	18	18	16	14	14	12	12
6	20	20	20	18	16	16	14	14	12	12
7	20	20	20	18	16	14	14	12	12	10
8	20	20	20	16	16	14	12	12	10	10
10	20	20	18	16	14	12	12	12	10	10
11	20	20	18	16	14	12	12	10	10	8
12	20	20	18	16	14	12	12	10	10	8
15	20	20	18	14	12	12	10	10	8	8
18	20	20	16	14	12	10	10	8	8	8
20	20	18	16	12	12	10	10	8	8	6
22	20	18	16	12	10	10	8	8	8	6
24	20	18	16	12	10	10	8	8	6	6
36	20	16	14	10	8	8	8	6	6	4
50	18	16	12	10	8	6	6	4	4	2
100	14	12	10	6	4	4	2	2	1	1/0
150	14	10	8	4	2	2	1	1/0	2/0	3/0
200	12	8	6	4	2	1	1/0	2/0	3/0	4/0

Primary Wire



100 FT SPOOLS



CARDED

14 Gauge

Color	Carded Length (20' Blister Pack)	100 ft Spool	1000 ft Spool
Purple	-	2-120	-
Black	2-1213	2-121	2-121-1000
Blue	2-1223	2-122	2-122-1000
Brown	2-1233	2-123	2-123-1000
Green	2-1243	2-124	2-124-1000
Red	2-1253	2-125	2-125-1000
White	2-1263	2-126	2-126-1000
Yellow	2-1273	2-127	2-127-1000
Orange	-	2-128	-
Pink	-	2-129	-

20 Gauge

Color	Carded Length (44' Blister Pack)	100 ft Spool	1000 ft Spool
Black	2-0913	2-091	-
Blue	-	2-092	-
Green	-	2-094	-
Red	2-0953	2-095	-
White	2-0963	2-096	-
Yellow	2-0973	2-097	-

18 Gauge

Color	Carded Length (40' Blister Pack)	100 ft Spool	1000 ft Spool
Black	2-1013	2-101	-
Blue	2-1023	2-102	-
Green	2-1043	2-104	-
Red	2-1053	2-105	-
White	2-1063	2-106	-
Yellow	2-1073	2-107	-

16 Gauge

Color	Carded Length (28' Blister Pack)	100 ft Spool	1000 ft Spool
Purple	-	2-110	-
Black	2-1113	2-111	2-111-1000
Blue	2-1123	2-112	2-112-1000
Brown	2-1133	2-113	2-113-1000
Green	2-1143	2-114	2-114-1000
Red	2-1153	2-115	2-115-1000
White	2-1163	2-116	2-116-1000
Yellow	2-1173	2-117	2-117-1000
Orange	-	2-118	-
Pink	-	2-119	-

12 Gauge

Color	Carded Length (12' Blister Pack)	100 ft Spool	1000 ft Spool
Black	2-1313	2-131	2-131-1000
Blue	2-1323	2-132	2-132-1000
Brown	2-1333	2-133	-
Green	2-1343	2-134	2-134-1000
Red	2-1353	2-135	2-135-1000
White	2-1363	2-136	2-136-1000
Yellow	2-1373	2-137	2-137-1000

10 Gauge

Color	Carded Length (8' Blister Pack)	100 ft Spool	
Black	2-1413	2-141	-
Blue	2-1423	2-142	-
Green	-	2-144	-
Red	2-1453	2-145	-
White	2-1463	2-146	-
Yellow	2-1473	2-147	-

8 Gauge

Color	Carded Length (6' Blister Pack)	100 ft Spool	
Black	2-1513	2-151	-
Blue	-	2-152	-
Red	2-1553	2-155	-
White	2-1563	2-156	-

Primary Wire Assortment

Replacement Part No.	Description	Qty.
2-111	Primary wire, 16 ga, black	1
2-112	Primary wire, 16 ga, blue	1
2-115	Primary wire, 16 ga, red	1
2-121	Primary wire, 14 ga, black	1
2-122	Primary wire, 14 ga, blue	1
2-123	Primary wire, 14 ga, brown	1
2-124	Primary wire, 14 ga, green	1
2-125	Primary wire, 14 ga, red	1
2-126	Primary wire, 14 ga, white	1
2-127	Primary wire, 14 ga yellow	1
2-131	Primary wire, 12 ga, black	1
2-135	Primary wire, 12 ga, red	1

**80-2006**

12 spool wire assortment,
fits in 80-191 rack below

Part No.	Description
80-191	Wire rack

- Holds 12 - 100' rolls
- For rolls up to 12 gauge
- Ideal for the 80-2006 primary wire assortment



Wire Rack

Parallel Wire

Part No.	Gauge	Type	Color	Length	Std. Pkg.
2-401	2/16	Fig. 1	Black, white, gray jacket	100'	Spool
2-402	2/14	Fig. 1	Black, white, gray jacket	100'	Spool
2-403	2/12	Fig. 1	Black, white, gray jacket	100'	Spool
2-404	2/10	Fig. 1	Black, white, gray jacket	100'	Spool
2-422	3/16	Fig. 2	Brown, yellow, green	100'	Spool
2-423	4/16	Fig. 3	Brown, yellow, green, white	100'	Spool
2-424	3/14	Fig. 2	Brown, yellow, green	100'	Spool
2-425	4/14	Fig. 3	Brown, yellow, green, white	100'	Spool
2-426	3/12	Fig. 2	Brown, yellow, green	100'	Spool



Fig. 1



Fig. 2



Fig. 3

Part No.	Gauge	Color	Strands	Length	Pkg.
3-112	2/14	Black, white	41 x 30	250'	Spool
3-113	3/14	Black, white, green	41 x 30	250'	Spool

- Type SJ00W cable
- Great flexibility and excellent resistance to oil and moisture
- Good tensile strength, elongation and aging characteristics
- Excellent abrasion resistance
- UL, CSA certified for indoor/outdoor use
- 300V at -40°C to 90°C



U.L. Service Cord