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The parts in this catalog are manufactured by either the original equipment manufacturer or after-market parts manufacturers. The parts manufactured by after-market parts manufacturers have been designated with language such as 'compatible with,' 'to fit,' or 'replacement,' to indicate the application of the original equipment manufacturer. The original equipment manufacturers' names, drawings, colors and part numbers, are used for identification purposes only and we are in no way implying that all of our products are original equipment parts.

7-WAY ELECTRIC CORDS - ABS

PRIMARY ABS

- Excellent Recoil Memory
- Superior Abrasion Resistance
- 1/8, 2/10, 4/12 Gauge Configuration
- Exceptional Flexibility from -55°F to +160°F
- Two Standard Seven-Way Metal Plugs w/Springs
- Meets or Exceeds SAE Specifications J2222 & J560



EL27715



EL27458

COILED

PN	WORKING LENGTH	LEADS	COLOR
EL27712	12'	12"	Green
EL27715	15'	12"	Green
EL27720	20'	12"	Green
EL27072	15'	12"/48"	Green
EL27772	15'	12"/72"	Green

STRAIGHT

PN	WORKING LENGTH	LEADS	COLOR
EL27459	10'	12"	Green
EL27457	12'	12"	Green
EL27458	15'	12"	Green

SECONDARY ABS

- Two ISO 3731 Seven Pole Metal Plugs with Six Female Contacts and One Male Pin
- Superior Abrasion Resistance



EL27345



EL27092

COILED

PN	WORKING LENGTH	LEADS	COLOR
EL27095	12'	12"	Yellow
EL27096	15'	12"	Yellow
EL27345	15'	12"/72"	Yellow

STRAIGHT

PN	WORKING LENGTH	LEADS	COLOR
EL27090	12'	10"	Yellow
EL27091	15'	12"	Yellow
EL27092	15'	15"	Yellow

ABS WIRE CODES



GAUGE	DESCRIPTION	COLOR
8.	Ground	White
10	Stop Lamps	Red
10.	ABS Power	Blue
12.	Marker/Clearance/ID Lamps	Black
12	License/Tail Lamps	Brown
12	Right Turn	Green
12	Left Turn	Yellow

7-WAY ELECTRIC CORDS - NON ABS

HEAVY DUTY - 6/12 - 1/10 GAUGE

Heavy-duty 7 way electric cords feature two metal plugs with springs, heavy duty 6/12, 1/10 gauge wire configuration, and a heavy duty TPR jacketing for excellent durability and recoil memory, remaining flexible from -55°F to +160°F. The coils and plugs meet or exceed SAE specifications J2222 and J560, and straight cords are also available.

COILED

PN	WORKING LENGTH	LEADS	COLOR
EL27027	10'	12"	Black
EL27029	12'	12"	Black
EL27031	15'	12"	Black
EL27076	15'	12"/72"	Black
EL27033	20'	12"	Black

STRAIGHT

PN	WORKING LENGTH	LEADS	COLOR
EL27010	10'	12"	Black
EL27012	12'	12"	Black
EL27015	15'	12"	Black



STANDARD DUTY - 6/14 - 1/12 GAUGE

Standard Duty electric cords feature two metal plugs with springs and consists of 6/14, 1/12 gauge wire configuration. Standard Duty coils feature the same black heavy duty TPR jacketing as the heavy-duty coils and have a temperature range of -55°F to +160°F. All meet or exceed SAE specifications J2222 and J560

COILED

PN	WORKING LENGTH	LEADS	COLOR
EL27039	12'	12"	Black
EL27041	15'	12"	Black
EL27043	15'	12"/72"	Black

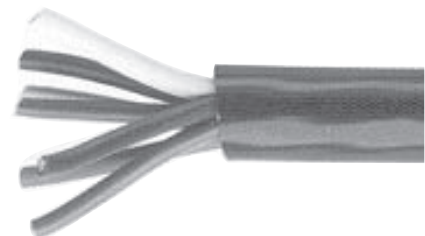
STRAIGHT

PN	WORKING LENGTH	LEADS	COLOR
EL51410	10'	12"	Black
EL51412	12'	12"	Black
EL51415	15'	12"	Black



STANDARD WIRE CODES

HD COIL GAUGE	STD COIL GAUGE	COLOR	DESCRIPTION
10	12	White	Ground
12	12.	Red	Stop Lamps
12.	14	Green	Right Turn
12	14	Yellow	Left Turn
12.	14.	Brown	License/Tail Lamps
12	14	Black	Marker/Clearance/ID Lamps
12.	14.	Blue	Auxiliary



ELECTRIC CORDS - NON ABS

SINGLE POLE COILED

Single pole coils are made from 4 gauge copper wire. They feature two metal plugs with spring guards, and are used for battery charging and liftgate applications. Rated at 200 amps.

PN	WORKING LENGTH
EL21412	12'
EL21415	15'



EL21415

4-WAY COILED

4 Way coils consist of 4/14 gauge cable with heavy duty TPR jacketing and 2 metal plugs. They are growing in popularity for use in the light trailer market.

PN	WORKING LENGTH
EL20406	6'
EL20408	8'
EL20410	10'
EL20412	12'
EL20415	15'



EL20415

DUAL POLE COILED

Dual pole coils are made from fine stranded twinned 4 gauge copper cable and feature two metal plugs with springs. These coils are used for lift gate applications with internally grounded systems.



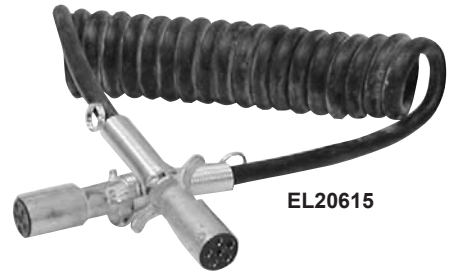
PN	WORKING LENGTH
EL20212	12'
EL20215	15'

EL20215

6-WAY COILED

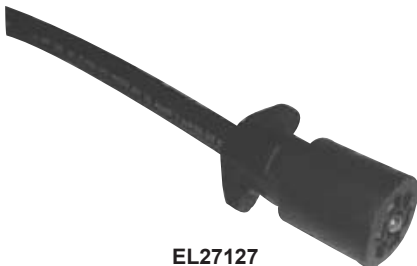
6 way coils consists of 6/14 gauge cable with heavy duty TPR jacketing and two metal plugs with springs.

PN	WORKING LENGTH
EL20606	6'
EL20608	8'
EL20610	10'
EL20612	12'
EL20615	15'



EL20615

RV / CAMPER POWER CORDS



EL27127

PN	DESCRIPTION
EL26144	6/14, 6 pole molded plug, 4'
EL26146	6/14, 6 pole molded plug, 6'
EL26148	6/14, 6 pole molded plug, 8'
EL27126	2/10 – 1/12 – 4/14, 7 pole molded RV plug, 6'
EL27127	2/10 – 1/12 – 4/14, 7 pole molded RV plug, 7'
EL27128	2/10 – 1/12 – 4/14, 7 pole molded RV plug, 8'
EL27129	2/10 – 1/12 – 4/14, 7 pole molded RV plug, 9'

7-WAY ELECTRICAL CONNECTORS

Our metal 7 way connectors are a rugged combination of a heavy duty zinc die cast housing with an SAE rated ABS plastic insert that features double plated brass pins. Available with or without spring guards, the plugs exceed SAE J560. ISO 3731 plugs feature 1 male and 6 female pins together with the sockets 1 female and 6 male pins prevent mismatching when using a second coiled electric cord.

7-WAY METAL PLUGS

PN	DESCRIPTION
EL23784*	With Spring
EL23783*	Without Spring
EL205140	Replacement Spring
EL202610	Replacement Insert



EL23784



EL23783

**10 Pack available, add suffix
"-10" to part number.*

7-WAY POLY SOCKETS

PN	DESCRIPTION	MOUNT
EL23782P	Wire Insertion	2 Hole
EL23707	Ring Terminal	2 Hole
EL23709	Bullet Terminal	2 Hole
EL2015	EGC Lid Kit	—



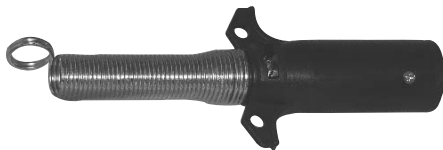
EL23707 FRONT



EL23707 BACK

7-WAY POLY PLUG

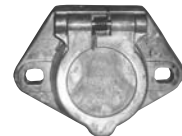
PN	DESCRIPTION
EL23784P	7 Pole Plug w/ Spring



EL23784P

7 WAY METAL SOCKETS

PN	DESCRIPTION
EL23781	Two Hole Mount – Solid Pin
EL23782*	Two Hole Mount – Split Pin
EL202611	Replacement Insert
EL205010	Socket Boot
EL2012	Metal Lid Kit



EL23781



EL23782

**10 Pack available, add suffix
"-10" to part number.*



EL205010

7-WAY CONNECTORS ISO 3731

7-WAY METAL PLUG

PN	DESCRIPTION
EL23790	Plug
EL205140	Replacement Spring



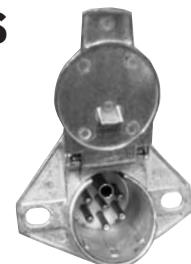
EL23790



EL205140

7-WAY METAL SOCKETS

PN	DESCRIPTION
EL23712	Socket



EL23712

1, 2 & 7-WAY ELECTRIC CONNECTORS

SINGLE POLE CONNECTORS



EL23101



EL23102

PN	DESCRIPTION
EL23101	Single Pole Socket
EL23102	Single Pole Plug w/Spring
EL205140	Replacement Spring
EL2012	Metal Socket Lid Kit

Single pole connects replacement spring and metal socket lid kit.

DUAL POLE CONNECTORS



EL15326



EL15336

PN	DESCRIPTION
EL15326	Dual Pole Socket
EL15336	Dual Pole Plug with Spring

7-WAY METAL RECEPTACLES



EL730

PN	CIRCUIT BREAKERS
EL24000	Without
EL24020	20 Amp
EL24030	30 Amp

NOSE BOX HOUSINGS & ADAPTERS



EL15769



EL38265

PN	DESCRIPTION
EL15769	Zinc Die Cast 1 7/8" Deep
EL38265	Poly 2" Deep Bottom Entry

7-WAY POLYCARBONATE RECEPTACLES



EL38215 FRONT

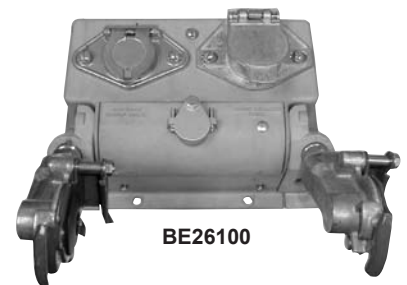


EL38215 BACK

PN	BREAKERS
EL38202	Without
EL38213	20 Amp
EL38215	30 Amp

NOSEBOX INTERLINE STYLE

PN	DESCRIPTION
BE26100	Nosebox Assembly with Gladhands



BE26100

ADAPTERS / CONNECTOR TOOLS

ADAPTERS

PN	DESCRIPTION
EL27407	Converts 7 pole receptacle (round pin) to accept 6 pole plug
EL27408	Converts 6 pole receptacle to accept 7 pole plug (round pin)
EL00765	7 Pole RV (blade) vehicle to 6 pole round, 5 pole flat and 4 pole flat trailer
EL00706	7 Pole RV (blade) vehicle to 6 pole round trailer. Center auxiliary pin
EL00706B	7 Pole RV (blade) vehicle to 6 pole round trailer. Center brake pin
EL00744	7 Pole RV (blade) vehicle to 4 pole flat trailer
EL30704	7 Pin (round) vehicle to 4 pole flat trailer
EL00607	6 Pole round vehicle to 7 pole RV (blade) trailer
EL00640	6 Pole round vehicle to 4 pole flat trailer
EL630044	4 Pole round (HD) vehicle to 4 pole flat trailer
EL00401	4 Pole round (LD) vehicle to 4 pole flat trailer
EL00407	4 Pole flat vehicle to 7 pole RV (blade) trailer
EL00400	4 Pole flat vehicle to 4 pole round (LD) trailer



ADAPTERS / CONNECTORS

CONNECTOR TOOLS

PN	DESCRIPTION
EL30400	4-Way Plug and Socket Brush
EL30600	6-Way Plug and Socket Brush
EL30700	7-Way Plug and Socket Brush
EL15200	7-Way Socket Checker
EL15208	7-Way Plug Checker
EL630040	4-Way Flat Connector Tester
EL15785	7-Pole RV Socket Tester
EL23605	6 Pole Socket Tester



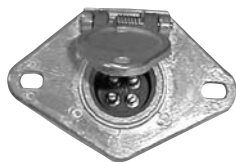
PLUG / GLADHAND CADDY

PN	DESCRIPTION
EL34211	One Plug Caddy
EL15042	Two Plug Caddy



TRAILER / RV CONNECTORS

4-WAY CONNECTORS



EL23402



EL23403

PN	DESCRIPTION	AMP
EL23402	Zinc HD Socket	35
EL23403	Zinc HD Plug	35
EL23404	Zinc HD Plug w/Spring	35
EL23495	LD Chromed Zinc Socket	20
EL23496	LD Chromed Zinc Plug	20

6 POLE SOCKET KITS



EL23642

PN	DESCRIPTION
EL23642	Converts 4 pole flat connector to a 6 pole round socket
EL23644	Converts 4 pole flat connector to both a 6 pole round socket w/diagnostic LED's (Includes bracket)
EL23646	Converts 4 pole flat connector to both a 6 pole round socket w/diagnostic LED's and a 4 pole flat connector (Includes bracket)

In the light trailer industry sockets are referred to as the car side or vehicle side connectors. Plugs are referred to as the trailer side connector.

RV CONNECTORS



EL10782



EL10783



EL15782



EL15783



EL10799



EL10742



EL15744



EL15748



EL7H

PN	DESCRIPTION
EL10782	7 Way Socket, Metal
EL10783	7 Way Plug, Metal
EL15782	7 Way Socket, Plastic
EL15783	7 Way Plug, Plastic
EL10982	9 Way Socket, Plastic
EL10983	9 Way Plug, Plastic
EL10799	Bracket for RV Sockets
EL10742	Converts 4 pole flat connector to metal 7 pole RV socket
EL15742	Converts 4 pole flat connector to poly 7 pole RV socket
EL15744	Converts 4 pole flat connector to poly 7 pole RV socket w/diagnostic LED's
EL15746	Converts 4 pole flat connector to poly 7 pole RV socket and a 4 pole flat connector (Includes bracket)
EL15748	Converts 4 pole flat connector to poly 7 pole RV socket w/diagnostic LED's and a 4 pole flat connector (Includes bracket)
EL7H	Plug holder for 7 pole RV plugs (Mounts on a pole or on a flat surface)

5-WAY CONNECTORS



EL23595



EL23596

PN	DESCRIPTION
EL23595	LD Zinc Socket
EL23596	LD Zinc Plug

6-WAY CONNECTORS



EL23602



EL23603

PN	DESCRIPTION	AMP
EL23602	Zinc HD Socket	35
EL23603	Zinc HD Plug	35
EL23604	Zinc HD Plug w/Spring	35

TRAILER CONNECTORS / ACCESSORIES

LIGHT TRAILER CONNECTORS

SET PN	MALE ONLY PN	FEMALE ONLY PN	NUMBER OF POLES	FLAT OR SQUARE	SHROUDED	MALE LENGTH FEMALE LENGTH
EL11212	—	—	2	Flat	No	12" / 12"
EL11312	—	—	3	Flat	No	12" / 12"
EL11400	—	—	4	Flat	No	12" Loop
EL11412	—	EL11419	4	Flat	No	12" / 12"
EL11415	EL11417	EL11448	4	Flat	No	12" / 48"
EL11444	—	—	4	Flat	Yes	12" Loop
EL11454	—	—	4	Flat	Yes	12" / 48"
EL11612	—	—	6	Square	Yes	12" / 12"

On flat connectors, the side with 3 male prongs and 1 female is referred to as the car side or vehicle side. The section with 1 male and 3 female prongs is referred to as the trailer side.



EL11312



EL11212



EL11400



EL11412



EL11444



EL11454



EL11612

LIGHT TRAILER HARNESS

PN	DESCRIPTION
EL3415Y	4 Pole, 15' Wishbone Y
EL3420Y	4 Pole, 20' Wishbone Y
EL3425Y	4 Pole, 25' Wishbone Y
EL4425Y	4 Pole, 25' Wishbone Y w/Car End
EL3430Y	4 Pole, 30' Wishbone Y
EL3430Y-10	4 Pole, 30' Wishbone Y w/10' Ground
EL4430Y	4 Pole, 30' Wishbone Y w/Car End
EL3435Y	4 Pole, 35' Wishbone Y
EL3440Y	4 Pole, 40' Wishbone Y
EL3530Y	5 Pole, 30' Wishbone Y



EL3415Y

JUNCTION BOXES

PN	DESCRIPTION	CROSS
EL22010	7 Terminal w/Alternate Grommet Position To 22040P	BE22010
EL22040	7 Terminal w/2 Slotted Grommets & 2 Strain Relief Collars	BE22040
EL22070	7 Terminal For Circuit Breakers (Breakers Not Included)	BE22070

All junction boxes include 4 open and closed grommets.



EL22040



TRAILER BREAKAWAY ITEMS

PN	DESCRIPTION
EL2010	Breakaway switch
EL2000	Battery case
EL2024	Charger



EL2010

BRACKETS

PN	DESCRIPTION
EL20000	Bracket HD 4/6/7 Way Sockets
EL20001	Bracket HD 4/6 Way Sockets
EL20002	Bracket LD 4/5/6 Way Sockets



EL20000



EL20001



EL20002

TRAILER CABLE / WIRE REFERENCE

TRAILER CABLE

Trailer cable is jacketed with tough, durable PVC for long life and greater flexibility. It remains flexible down to -40°C. All trailer cable inner conductors are paper wrapped to facilitate stripping jacketing and breaking out lines. All conductors meet or exceed SAE J1127 type GPT. ABS cable is green jacketed. Factory reel lengths are also available.



Rated to -40° C

50 FT. ROLL PN	100 FT. ROLL PN	250 FT. ROLL PN	500 FT. ROLL PN	CONDUCTOR	CONFIGURATION
EL870899	EL870800	EL870825	EL870850	7	ABS 4/12, 2/10, 1/8
EL871299	EL871200	EL871225	EL871250	7	6/12, 1/10
EL875499	EL875400	EL875425	EL875450	7	6/14, 1/12
—	EL871400	EL871425	EL871450	7	7/14
EL861499	EL861400	EL861425	EL861450	6	6/14
EL841499	EL841400	EL841425	EL841450	4	4/14 (Standard Trailer Colors)
—	EL841500	EL841525	EL841550	4	4/14 (Light Trailer Colors)

TRAILER WIRE COLOR REFERENCE

CONDUCTOR	CONFIGURATION	WHITE	RED	BLUE	BLACK	BROWN	GREEN	YELLOW
7	ABS 4/12, 2/10, 1/8	8 ga.	10 ga.	10 ga.	12 ga.	12 ga.	12 ga.	12 ga.
7	6/12, 1/10	10 ga.	12 ga.	12 ga.	12 ga.	12 ga.	12 ga.	12 ga.
7	6/14, 1/12	12 ga.	14 ga.	14 ga.	14 ga.	14 ga.	14 ga.	14 ga.
7	7/14	14 ga.	14 ga.	14 ga.	14 ga.	14 ga.	14 ga.	14 ga.
6	6/14	14 ga.	14 ga.	—	14 ga.	14 ga.	14 ga.	14 ga.
4	4/14 (Standard Trailer Colors)	14 ga.	14 ga.	—	14 ga.	—	—	—
4	4/14 (Light Trailer Colors)	—	14 ga.	—	—	14 ga.	14 ga.	14 ga.

WELDING / BATTERY CABLE & ASSEMBLIES

BATTERY / WELDING CABLE

25 FT. COIL PN	100 FT. COIL PN	500 FT. SPOOL PN	GAUGE	COLOR	OD
EL706250	EL706100	EL706500	6 ga.	Black	.360"
EL706252	EL706102	EL706502	6 ga.	Red	.360"
EL704250	EL704100	—	4 ga.	Black	.360"
EL704252	EL704102	—	4 ga.	Red	.360"
EL702250	EL702100	—	2 ga.	Black	.450"
EL702252	EL702102	—	2 ga.	Red	.450"
EL701250	EL701100	—	1 ga.	Black	.490"
EL701252	EL701102	—	1 ga.	Red	.490"
EL710250	EL710100	—	1/0	Black	.530"
EL710252	EL710102	—	1/0	Red	.530"
EL720250	EL720100	EL720500	2/0	Black	.595"
EL720252	EL720102	EL720502	2/0	Red	.595"
EL730250	EL730100	—	3/0	Black	.665"
EL730252	—	—	3/0	Red	.665"
EL740250	EL740100	—	4/0	Black	.762"
EL740252	—	—	4/0	Red	.762"



Our battery cable meets or exceeds SAE J1127 Type SGT specifications. Cable is rated to a maximum of +176°F (+80°C), and is extruded with a tough thermoplastic insulation that is designed to remain flexible and provide abrasion resistance. Factory reel lengths are also available.

For welding cable, replace the "7" prefix with a "9." Welding cable is available in black only.

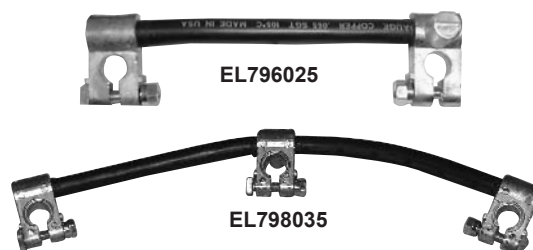
STUD TOP BATTERY HARNESS CABLES

PN	BATTERIES	COLOR	LENGTH
EL796022	2	Black	7"
EL797023	2	Red	7"
EL798032	3	Black	14"
EL799033	3	Red	14"



TOP POST BATTERY HARNESS CABLES

PN	BATTERIES	COLOR	LENGTH
EL796025	2	Black	7"
EL797026	2	Red	7"
EL798035	3	Black	14"
EL799036	3	Red	14"



FORD F SERIES DIESEL BATTERY CABLE

PN	LENGTH
EL792000	115"

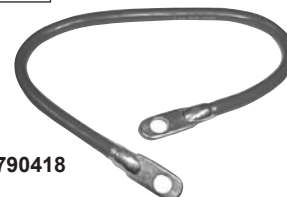
Made from 2/0 SAE J1127 battery cable, this cable assembly fits 1988 and newer Ford F Series diesel pickups with dual batteries.



EL792000

SWITCH TO STARTER CABLE

PN	LENGTH
EL790418	18"



EL790418

WELDING / BATTERY CABLE

BATTERY CABLES / ACCESSORIES

For Freightliner and Mack applications.



EL795362



EL795365



EL790008



EL790112

BATTERY CABLE - TOP POST LUG

Made using 2/0 SAE J1127 battery cable with one lead terminal and one copper terminal.

PN	LENGTH
EL793312	12"
EL793324	24"
EL793336	36"



EL793312

STUD TOP STARTER CABLES

Made with 2/0 SAE J1127 battery cable and copper terminals with shrink tubing.

PN	LENGTH
EL791109	9"
EL791113	13"
EL791117	17"



EL791109

PVC JACKETED BATTERY CABLES

PN	GAUGE	LENGTH	COLOR
EL795362	2/0	7"	Red
EL795363	2/0	7"	Black
EL795364	2/0	14"	Red
EL795365	2/0	14"	Black

- PVC jacketed 2/0 gauge per SAE J1127 for starter cable.
- 100% copper conductor (stranding) is 897 strands of 0.0118."
- Designed to connect two or three paralleled batteries.
- Protective caps protect against electrical shorting and corrosion.
- Precision molded insulated ends provide a tight maintenance free seal.

TOP POST STARTER CABLES

Made with 2/0 Neoprene jacketed welding cable and offset or inline cast lead terminals

OFFSET PN	INLINE PN	LENGTH
EL790008	EL790108	8"
EL790012	EL790112	12"
EL790019	—	19"

GROUND STRAPS

PN	GAUGE	LENGTH	LUG TO
EL784008	4 ga.	8"	Lug
EL784012	4 ga.	12"	Lug
EL784018	4 ga.	18"	Lug
EL782009	2 ga.	9"	Terminal
EL782014	2 ga.	14"	Terminal
EL782024	2 ga.	24"	Terminal



EL784018



EL782009

BATTERY TERMINALS / TOP & SIDE

TOP POST TERMINALS

Our copper terminals are cast from 93% to 95% pure copper for high conductivity and electroplated with a bright tin finish for corrosion resistance. All terminals feature color coding and raised letters to easily determine gauge, post type and die code settings.



GAUGE	POLARITY	STRAIGHT PN	TEE PN	RIGHT ELBOW PN	LEFT ELBOW PN	ADD-ON RIGHT ELBOW PN	ADD-ON LEFT ELBOW PN
6 ga.	Universal	EL310600	—	—	—	—	—
4 ga.	Universal	EL310400	—	—	—	—	—
1-2 ga.	Positive	EL310121	—	—	—	—	—
1-2 ga.	Negative	EL310122	—	—	—	—	—
1/0	Positive	EL311003	EL321000	EL351010	EL371011	—	—
1/0	Negative	EL311004	EL321001	EL351020	EL371021	—	—
2/0	Positive	EL312005	EL322002	EL352030	EL372031	EL300200	EL300210
2/0	Negative	EL312006	EL322003	EL352040	EL372041	EL300205	EL300215
3/0	Positive	EL313007	EL323004	EL352050	EL373051	—	—
3/0	Negative	EL313008	EL323005	EL352060	EL373061	—	—
4/0	Positive	EL314009	EL324006	EL352070	EL374071	—	—
4/0	Negative	EL314010	EL324007	EL352080	EL374081	—	—

STUD TOP & SIDE BATTERY TERMINALS

Standard and stackable terminals have the same cast copper and electroplated tin features as our top post terminals. The anti-rotation lugs are heavy duty thick walled lugs with indented pads. Universal polarity.



GAUGE	SINGLE PN	DOUBLE PN	STACKABLE SINGLE PN	STACKABLE DOUBLE PN	ANTI-ROTATION SINGLE LUGS PN	ANTI-ROTATION DOUBLE LUGS PN
4 ga.	31104	—	—	—	EL380406	—
1-2 ga.	31101	—	—	—	EL380127	—
1/0	31110	31210	—	—	EL381008	EL381020
2/0	31120	31220	EL362000	EL362011	EL382009	EL382022
3/0	31130	31230	—	—	EL383010	EL383024
4/0	—	—	—	—	EL384011	EL384026

BATTERY TERMINALS - ASSORTED

BATTERY HARNESS TERMINALS

SINGLE STUD

PN	POLARITY	GAUGE	TYPE
EL300500	Positive	2/0	Single Stud



Replacements for Freightliner and Volvo. Order 3/8" nut separately.

STRAIGHT & RIGHT ANGLE

PN	POLARITY	GAUGE	TYPE
EL300300	Positive	2/0	Right Angle
EL300400	Positive	2/0	Straight



EL300300



EL300400

LEAD TERMINALS

TOP POST MEDIUM DUTY



INDIVIDUAL PN	10 COUNT CARD PN	GAUGE
EL340000	EL340010	6 ga.- 2/0



3-WAY HEAVY DUTY

PN	GAUGE	POLARITY
EL343000	4 ga. - 1/0	Positive
EL343005	4 ga. - 1/0	Negative



MARINE TERMINALS - LEAD

PN	STUD	POLARITY
EL345038	3/8"	Positive
EL345516	5/16"	Negative or Universal

BRASS TERMINALS

TOP POST HEAVY DUTY

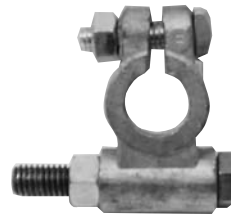


INDIVIDUAL PN	10 COUNT CARD PN	GAUGE
EL341001	EL341011	1 ga.-4/0



SIDE TERMINALS HEAVY DUTY

INDIVIDUAL PN	10 COUNT CARD PN	GAUGE
EL344100	EL344110	6 ga.-2/0



UNIVERSAL BOLT-TYPE

PN	POLARITY
EL348101	Positive
EL348242	Negative



3-WAY HEAVY DUTY

PN	GAUGE	POLARITY
EL389400	4 ga. - 1/0	Positive
EL389402	4 ga. - 1/0	Negative



MARINE TERMINALS - BRASS

PN	STUD	POLARITY
EL390038	3/8"	Positive
EL390516	5/16"	Negative or Universal

BATTERY LUGS

We offer both standard copper lugs and heavy walled tin plated lugs. Heavy wall lugs also feature color coding. Brazed-seam ring terminals are popular for switch-to-starter cable applications or anywhere else requiring the extra strength of a brazed seam. Standard butted seam vinyl or nylon insulated terminals (similar to primary wire terminals) will often split apart at the seam during crimping, resulting in a loose connection.

GAUGE	STUD	STANDARD LUG PN	HEAVY WALL LUG PN	BRAZED SEAM RING TERMINAL PN
8 ga.	#10	EL400810	EL430810	—
8 ga.	1/4"	EL400825	EL430825	EL470825
8 ga.	5/16"	EL400856	EL430856	EL470856
8 ga.	3/8"	EL400838	EL430838	EL470838
6 ga.	#10	EL400610	—	—
6 ga.	1/4"	EL400625	EL430625	EL470625
6 ga.	5/16"	EL400656	EL430656	EL470656
6 ga.	3/8"	EL400638	EL430638	EL470638
6 ga.	1/2"	EL400650	EL430650	EL470650
4 ga.	#10	EL400410	EL430410	—
4 ga.	1/4"	EL400425	EL430425	EL470425
4 ga.	5/16"	EL400456	EL430456	EL470456
4 ga.	3/8"	EL400438	EL430438	EL470438
4 ga.	1/2"	EL400450	EL430450	EL470450
2 ga.	1/4"	EL400225	Use 1 Gauge Heavy Lugs	EL470225
2 ga.	5/16"	EL400256		—
2 ga.	3/8"	EL400238		EL470238
2 ga.	1/2"	EL400250		EL470250
1 ga.	1/4"	EL400125	EL430125	—
1 ga.	5/16"	EL400156	EL430156	—
1 ga.	3/8"	EL400138	EL430138	EL470138
1 ga.	1/2"	EL400150	EL430150	EL470150
1/0	1/4"	EL401025	EL431025	—
1/0	5/16"	EL401056	EL431056	—
1/0	3/8"	EL401038	EL431038	EL471038
1/0	1/2"	EL401050	EL431050	EL471050
2/0	1/4"	EL402025	EL432025	—
2/0	5/16"	EL402056	EL432056	—
2/0	3/8"	EL402038	EL432038	EL472038
2/0	1/2"	EL402050	EL432050	EL472050
3/0	5/16"	EL403056	—	—
3/0	3/8"	EL403038	EL433038	—
3/0	1/2"	EL403050	EL433050	—
4/0	5/16"	EL404056	—	—
4/0	3/8"	EL404038	EL434038	—
4/0	1/2"	EL404050	EL434050	—



Brazed Seam Type



Standard Type



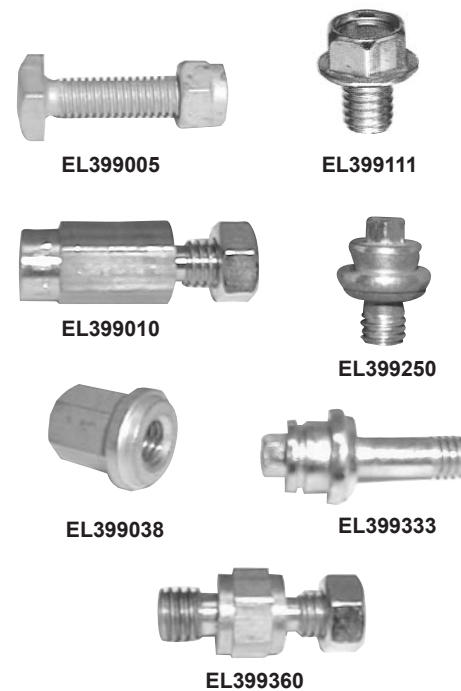
Heavy Wall Type

BATTERY TERMINAL ACCESSORIES & SPLICE CONNECTORS

ADAPTERS & POSTS



PN	DESCRIPTION
EL399401	Lead Side Terminal Charging Post – Positive
EL399425	Lead Side Terminal Charging Post – Negative
EL399440	Lead Top Post Shim
EL399502	Lead Top Post to Side Terminal Adapter – Negative
EL399523	Lead Top Post to Stud Top Adapter
EL399600	Lead Charging Post for Group 31 Stud Top Terminal



NUTS & BOLTS

PN	DESCRIPTION
EL399000	Terminal Nut & Bolt, 5/16" – 1/8" x 1 3/8"
EL399005	Anti-Corrosion Nut and Bolt
EL399010	Brass Accessory Nut for Top Post Terminal – 5/16" Stud
EL399038	Group 31 Stainless Steel 3/8" Stud Nut
EL399111	Side Mount Bolt
EL399250	OE Side Mount Bolt
EL399333	OE Extra Long Side Mount Bolt
EL399360	Brass Side Mount Bolt with Nut

SPLICE CONNECTORS



PN	GAUGE
EL480008	8 ga.
EL480006	6 ga.
EL480004	4 ga.
EL480012	1-2 ga.
EL480010	1/0
EL480020	2/0
EL480030	3/0
EL480040	4/0

Our cable splices are heavy walled tin plated copper. All are color coded for easy gauge determination.

BATTERY TERMINAL PRODUCTS



EL415006

Two of these will marry together

INDUSTRIAL PUSH-ON CONNECTORS

COMPLETE UNIT PN	HOUSING PN	CONTACT PN	AMP RATING	GAUGE
EL415006	—	—	50 Amp	6 ga.
EL417504	EL410175	EL410004	175 Amp	4 ga.
EL417502	—	EL410002	175 Amp	1-2 ga.
EL417510	—	EL410010	175 Amp	1/0
EL413520	EL410350	EL410020	350 Amp	2/0

These connectors are used in both the industrial market and the transportation industry. They are often used as a quick way to attach booster cables on wreckers with a connector outside of the vehicles grill running back to the battery. A set of booster cables attached to another connector then can be mated to these as needed without the hood having to be raised.

HEAVY WALL - BATTERY CABLE SHRINK TUBING



SHR4002B

SHR620R

PN	WIRE SIZE	LENGTH	COLOR	STD. PK.
SHR2006B	6 ga – 2/0	6"	Black	5
SHR2006R	6 ga – 2/0	6"	Red	5
SHR2486B	6 ga – 2/0	4'	Black	1
SHR2486R	6 ga – 2/0	4'	Red	1
SHR4002B	2 ga – 4/0	6"	Black	5
SHR4002R	2 ga – 4/0	6"	Red	5

MEDIUM WALL - BATTERY CABLE SHRINK TUBING

PN	WIRE SIZE	LENGTH	COLOR	STD. PK.
SHR620B	6 ga – 2/0	6"	Black	5
SHR620R	6 ga – 2/0	6"	Red	5
SHR6248B	6 ga – 2/0	4'	Black	1
SHR6248R	6 ga – 2/0	4'	Red	1



EL416350

EL416175

DUST COVERS

PN	HOUSING SIZE
EL416050	50 Amp
EL416175	175 Amp
EL416350	350 Amp

PRIMARY WIRE & ACCESSORIES

GPT PRIMARY WIRE

Our primary wire meets or exceeds SAE J1128 type GPT specifications. It's rated to +176°F (80°C) and features a tough thermoplastic insulation that resists acid, oil and moisture. We offer a wider variety of colors than most of our competitors, and also offer a wide variety of lengths to satisfy the diverse requirements of our customers.

COLOR	8 GA - 100' PN	10 GA - 100' PN	128 GA - 100' PN	148 GA - 100' PN	16 GA - 100' PN	18 GA - 100' PN
Black	EL608000	EL610000	EL612000	EL614000	EL616000	EL618000
Red	EL608020	EL610020	EL612020	EL614020	EL616020	EL618020
White	EL608040	EL610040	EL612040	EL614040	EL616040	EL618040
Brown	—	EL610060	EL612060	EL614060	EL616060	EL618060
Blue	—	EL610080	EL612080	EL614080	EL616080	EL618080
Green	—	EL610110	EL612110	EL614110	EL616110	EL618110
Yellow	—	EL610130	EL612130	EL614130	EL616130	EL618130
Orange	—	—	EL612150	EL614150	EL616150	—
Grey	—	—	EL612170	EL614170	EL616170	—
Purple	—	—	EL612190	EL614190	EL616190	—
Pink	—	—	EL612250	EL614250	EL616250	—



PRIMARY WIRE

GPT PRIMARY WIRE - MINI/MAXI SPOOLS

Type GPT primary wire is also available in longer and shorter lengths. For maxi-spools, change the last digit of the 100' spool part number to 3. For mini-spools change the last digit to 6. Mini-Spools are not available in pink, purple or gray. Factory reel and barrel lengths are available.

COLOR	MAXI SPOOL LENGTH	MINI SPOOL LENGTH
10 ga.	500'	10'
12 ga.	500'	15'
14 ga.	1000'	25'
16 ga.	1000'	35'
18 ga.	1000'	45'



PRIMARY WIRE SPOOL RACK

Heavy steel wire spool rack has 4 5/8" steel rods to hold spools up to 10" in diameter.

PN	DESCRIPTION
EL680500	26" W x 37" H x 6" D

EL680500



PARALLEL & BONDED PRIMARY WIRE / SPEAKER WIRE



PARALLEL PRIMARY WIRE - JACKETED

Made to SAE J1128 specifications, our jacketed parallel primary wire is rated to 221°F (105°C). It features a heavy duty grey PVC jacket and is available in 100' and 500' spools.

Standard Colors:

- Two conductors – Black, White
 - Three conductors – Black, White, Green
 - Four conductors – Black, White, Green, Red
- Factory reel lengths are also available

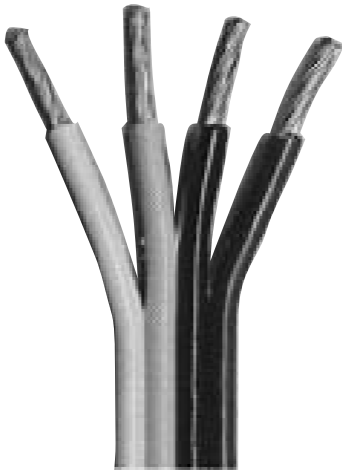
CONFIGURATION	100' SPOOL PN	500' SPOOL PN
2/10 ga.	EL652100	—
2/12 ga.	EL652120	EL652125
2/14 ga.	EL652140	EL652145
2/16 ga.	EL652160	EL652165
3/12 ga.	EL653120	—
3/14 ga.	EL653140	EL653145
4/12 ga.	EL654120	—
4/14 ga.	EL654140	EL654145

PARALLEL PRIMARY WIRE - BONDED

Made to SAE J1128 specifications, our bonded parallel primary wire is rated to 221°F (105°C) and is available in 100' and 500' spools. Factory reel lengths are also available.

Standard Colors:

- Two conductors – Black, Red
- Three conductors – Brown, Yellow, Green
- Four conductors – White, Brown, Yellow, Green



CONFIGURATION	100' SPOOL PN	500' SPOOL PN
2/14 ga.	EL672140	—
2/16 ga.	EL672160	—
3/14 ga.	EL673140	EL673145
3/16 ga.	EL673160	EL673165
4/14 ga.	EL674140	EL674145
4/16 ga.	EL674160	EL674165



SPEAKER WIRE

PN	DESCRIPTION
EL680000	2/18 ga. clear – 100' spool

PRIMARY WIRE TUBING / TAPES & CONNECTORS

SHRINK TUBING - PRIMARY WIRE

Our shrink tubing for primary wire is a color coded, single walled, cross linked polyolefin with a 2 to 1 shrink ratio. It can be used for insulation, harnessing, strain relief and identification purposes and is resistant to common fluids and solvents.

THIN WALL

PN	WIRE SIZE	LENGTH	COLOR
SHR1822	18-22 Gauge	6"	Red
SHR8R	18-22 Gauge	8'	Red
EL691848	18-22 Gauge	48"	Red
SHR1416	14-16 Gauge	6"	Blue
SHR8B	14-16 Gauge	8'	Blue
EL691448	14-16 Gauge	48"	Blue
SHR1012	10-12 Gauge	6"	Yellow
SHR8Y	10-12 Gauge	8'	Yellow
EL691048	10-12 Gauge	48"	Yellow



WIRE CONNECTORS

PERFORMANCE PLUS:

These terminals feature soft flexible skirts and replace several different sizes of wire nuts with one unit.



PN	COLOR	MINIMUM	MAXIMUM
43152	Orange/Blue	2 x 22 ga.	2 x 12 or 3 x 14 ga.
43154	Red/Yellow	2 x 18 ga.	2 x 8 or 5 x 12 ga.
43150	Blue/Gray	4 x 14 ga.	2 x 6 ga.

ASSORTED TAPES

BRUSH-ON ELECTRICAL TAPE

PN	DESCRIPTION	COLOR
BOT55TRI	4 oz. Can Brush-On	Black



SELF-FUSING SILICONE TAPE

Self-fusing silicone tape forms a solid rubber insulator and cures without heat.

PN	COLOR	SIZE
EL396100	Red	1" x 20'
EL396200	Black	1" x 20'



TEFLON TAPE

PN	SIZE
TP260	Teflon 1/2" x 260"
TP520	Teflon 1/2" x 520"



Teflon tape sold in individual rolls.

ELECTRICAL TAPE

Electrical tapes stick tight in hot or cold weather, with a temperature range of 0° F to 220° F.

PN	TYPE	MIL	SIZE
06132	Super33+	7	3/4" x 66'
06143	Super88	8.5	3/4" x 66'
EL60	UL Listed & Flame Retardant	—	3/4" x 60'



PRIMARY WIRE TERMINALS



RING TERMINALS

PRIMARY WIRE TERMINALS

GAUGE	VINYL PN	SEAMLESS NYLON PN	SHRINK TUBE PN	NON-INSULATED PN.
18-22 awg – #6	EL181506	—	EL181506S	EL181506U
18-22 awg – #8	EL181508	—	EL181508S	EL181508U
18-22 awg – #10	EL181510	—	EL181510S	EL181510U
18-22 awg – 1/4"	EL181514	—	EL181514S	EL181514U
18-22 awg – 5/16"	EL181556	—	EL181556S	—
18-22 awg – 3/8"	EL181538	—	EL181538S	—
14-16 awg – #6	EL141506	EL141506N	EL141506S	EL141506U
14-16 awg – #8	EL141508	EL141508N	EL141508S	EL141508U
14-16 awg – #10	EL141510	EL141510N	EL141510S	EL141510U
14-16 awg – 1/4"	EL141514	EL141514N	EL141514S	EL141514U
14-16 awg – 5/16"	EL141556	EL141556N	EL141556S	—
14-16 awg – 3/8"	EL141538	EL141538N	EL141538S	—
10-12 awg – #6	EL101506	—	EL101506S	—
10-12 awg – #8	EL101508	EL101508N	EL101508S	EL101508U
10-12 awg – #10	EL101510	EL101510N	EL101510S	EL101510U
10-12 awg – 1/4"	EL101514	EL101514N	EL101514S	EL101514U
10-12 awg – 5/16"	EL101556	EL101556N	EL101556S	EL101556U
10-12 awg – 3/8"	EL101538	—	EL101538S	EL101538U
10-12awg – 1/2"	EL101512	—	EL101512S	—
8awg – #10	—	—	EL081510S	—
8awg – 1/4"	—	EL081514N	EL081514S	EL470825
8awg – 5/16"	—	EL081556N	EL081556S	EL470856
8awg – 3/8"	—	EL081538N	EL081538S	EL470838
8awg – 1/2"	—	EL081512N	EL081512S	—
6awg – 1/4"	—	EL061514N	—	EL470625
6awg – 5/16"	—	EL061556N	—	EL470656
6awg – 3/8"	—	EL061538N	—	EL470638
6awg – 1/2"	—	EL061512N	—	EL470650
4awg – 1/4"	—	EL041514N	—	EL470425
4awg – 3/8"	—	EL041538N	—	EL470438
4awg – 1/2"	—	EL041512N	—	EL470450

PRIMARY WIRE TERMINALS QUICK CONNECT / BUTT

MALE QUICK CONNECT



VINYL



SEAMLESS NYLON

GAUGE	VINYL PN	SEAMLESS NYLON PN
18-22 awg – .110"	—	—
18-22 awg – .187"	EL181871	—
18-22 awg – .250"	EL182510	—
14-16 awg – .187"	EL141871	—
14-16 awg – .250"	EL142510	EL142510N
10-12 awg – .187"	EL101871	—
10-12 awg – .250"	EL102510	EL102510N



SEAMLESS NYLON



SHRINK TUBE

MALE QUICK CONNECT - FULLY INSULATED

GAUGE	SEAMLESS NYLON PN	SHRINK TUB PN
18-22 awg – .250"	EL182610N	EL182610S
14-16 awg – .250"	EL142610N	EL142610S
10-12 awg - .250"	EL102610N	EL102610S



VINYL



SEAMLESS NYLON



SHRINK TUBE



NON-INSULATED

BUTT SPLICE CONNECTORS

GAUGE	VINYL PN	SEAMLESS NYLON PN	SHRINK TUBE PN	NON INSULATED PN.
18-22 awg	EL181000	EL181000N	EL181000S	EL181000U
14-16 awg	EL141000	EL141000N	EL141000S	EL141000U
10-12 awg	EL101000	EL101000N	EL101000S	EL101000U
8 ga	EL081000	EL081000N	EL081000S	—
6 ga	EL061000	EL061000N	—	—
4 ga	—	EL041000N	—	—

PRIMARY WIRE TERMINALS QUICK CONNECT / SPADE

FEMALE QUICK CONNECT

GAUGE	VINYL PN	SEAMLESS NYLON PN
18-22 awg – .180"	EL181870	—
18-22 awg – .250"	EL182500	—
14-16 awg – .180"	EL141870	—
14-16 awg – .250"	EL142500	EL142500N
10-12 awg – .180"	EL101870	—
10-12 awg – .250"	EL102500	EL102500N



VINYL



SEAMLESS NYLON

FEMALE QUICK CONNECT - FULLY INSULATED

GAUGE	SEAMLESS NYLON PN	SHRINK TUB PN
18-22 awg – .250"	EL182600N	EL182600S
14-16 awg – .250"	EL142600N	EL142600S
10-12awg – .250"	EL102600N	EL102600S



SEAMLESS NYLON



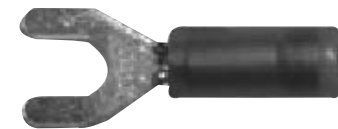
SHRINK TUBE

SPADE TERMINALS

GAUGE	VINYL PN	SEAMLESS NYLON PN	SHRINK TUBE PN
18-22 awg – #6	EL182006	—	—
18-22 awg – #8	EL182008	—	—
18-22 awg – #10	EL182010	EL182010N	EL182010S
14-16 awg – #6	EL142006	—	—
14-16 awg – #8	EL142008	—	—
14-16 awg – #10	EL142010	EL142010N	EL142010S
10-12 awg – #6	EL102006	—	—
10-12 awg – #8	EL102008	—	—
10-12 awg – #10	EL102010	EL102010N	EL102010S
10-12 awg – 1/4"	EL102014	—	—



VINYL



SEAMLESS NYLON



SHRINK TUBE

PRIMARY WIRE TERMINALS BULLET / START RING



VINYL



SEAMLESS NYLON



SHRINK TUBE

MALE BULLET

GAUGE	VINYL PN	SEAMLESS NYLON PN	SHRINK TUBE PN
18-22 awg – .156"	EL180157	EL180157N	EL180157S
18-22 awg – .180"	EL180181	EL180181N	EL180181S
14-16 awg – .156"	EL140157	EL140157N	EL140157S
14-16 awg – .180"	EL140181	EL140181N	EL140181S
10-12 awg – .156"	—	—	EL100157S

FEMALE BULLET



VINYL



SEAMLESS NYLON



SHRINK TUBE

GAUGE	VINYL PN	SEAMLESS NYLON PN	SHRINK TUBE PN
18-22 awg – .156"	EL180156	EL180156N	EL180156S
18-22 awg – .180"	EL180180	EL180180N	EL180180S
14-16 awg – .156"	EL140156	EL140156N	EL140156S
14-16 awg – .180"	EL140180	EL140180N	EL140180S
10-12 awg – .156"	—	—	EL100156S

DOUBLE FEMALE BULLET UNION



BULLET SIZE	PN
156"	EL156156

STAR RING TERMINAL



GAUGE	VINYL PN
18-22 awg – #6	EL181906
18-22 awg – #8	EL181908
18-22 awg – #10	EL181910
14-16 awg – #6	EL141906
14-16 awg – #8	EL141908
14-16 awg – #10	EL141910

Star terminals feature serrated teeth which can bite through paint, thus making them excellent terminals for grounding.

PRIMARY WIRE TERMINALS - ASSORTED

90° FLAG FEMALE QUICK CONNECT

GAUGE	NYLON PN
18-22 awg	EL189025
14-16 awg	EL149025



PIGGYBACK QUICK CONNECT

GAUGE	VINYL PN
18-22 awg – .250"	EL182700
14-16 awg – .250"	EL142700



DOUBLE MALE QUICK CONNECT UNION

GAUGE	VINYL PN
.250"	EL250250



3-WAY CONNECTOR

GAUGE	VINYL PN	SHRINK TUBE PN
18-22 awg	EL180300	EL180300S
14-16 awg	EL140300	EL140300S
10-12 awg	EL100300	EL100300S



PIN TERMINAL

GAUGE	VINYL PN
18-22 awg	EL189000
14-16 awg	EL149000
10-12 awg	EL109000



4-WAY CONNECTOR

GAUGE	VINYL PN	SHRINK TUBE PN
18-22 awg	EL180400	EL180400S
14-16 awg	EL140400	EL140400S
10-12 awg	EL100400	EL100400S



HOOK TERMINAL

GAUGE	VINYL PN
18-22 awg – #10	EL184510
14-16 awg – #10	EL144510
10-12 awg – #10	EL104510



PRIMARY WIRE TERMINALS - ASSORTED

SNAP SPADE TERMINALS



GAUGE	VINYL PN
18-22 awg – #6	EL182306
18-22 awg – #8	EL182308
18-22 awg – #10	EL182310
14-16 awg – #6	EL142306
14-16 awg – #8	EL142308
14-16 awg – #10	EL142310
10-12 awg – #6	EL102306
10-12 awg – #8	EL102308
10-12 awg – #10	EL102310

FLANGED BLOCK SPADE TERMINALS



GAUGE	VINYL PN
18-22 awg – #6	EL182206
18-22 awg – #8	EL182208
18-22 awg – #10	EL182210
14-16 awg – #6	EL142206
14-16 awg – #8	EL142208
14-16 awg – #10	EL142210
10-12 awg – #6	EL102206
10-12 awg – #8	EL102208
10-12 awg – #10	EL102210

MULTIPLE STUD RING TERMINALS



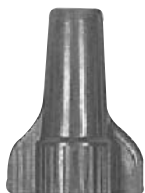
GAUGE	VINYL PN	SHRINK TUBE PN
18-22 awg – #6, 8, 10	EL181400	EL181400S
14-16 awg – #6, 8, 10	EL141400	EL141400S
10-12 awg – #6, 8, 10	EL101400	EL101400S

WIRE NUTS



PN	COLOR
EL1G Gray	Gray
EL1B Blue	Blue
EL1N Orange	Orange
EL1Y Yellow	Yellow
EL1R Red	Red

WINGED WIRE NUT



PN	COLOR
EL1WR Red	Red
EL1WY Yellow	Yellow

WIRE END CAPS



GAUGE	VINYL PN
22-16 awg	EL162200
16-14 awg	EL141600
12-10 awg	EL101200

WIRE WRAPS & GROMMETS

SPLIT LOOM

PN	LOOM ID	LENGTH
LM404-100	1/4"	100'
LM406-100	3/8"	100'
LM408-100	1/2"	100'
LM410-100	5/8"	100'
LM412-50	3/4"	50'
LM416-50	1"	50'
LM420-25	1-1/4"	25'
LM424-25	1-1/2"	25'
LM432-25	2"	25'

Made from convoluted black polyethylene tubing, our loom is split down the middle to allow easy insertion and inspection of wire or cable. It has an operating range of -40°F (-40°C) to +200°F (+93°C).



SPIRAL WRAP

PN	WALL THICKNESS	BUNDLE RANGE
SW404-100	.040"	3/16" – 2"
SW406-100	.052"	5/16" – 3"
SW408-100	.062"	3/8" – 4"
SW410-100	.062"	5/8" – 4 1/2"
SW412-100	.065"	3/4" – 5"
SW416-100	.070"	1" – 7"

Our spiral wrap is made from UV resistant black polyethylene and has a temperature range of -105°F to 215°F. It comes spooled in bulk rolls of 100'.



NYLON GROMMETS

PN	PANEL THICKNESS	DRILL DIAMETER	CENTER HOLE
EL590203	1/8"	3/8"	3/16"
EL590204	1/16"	5/16"	1/4"
EL590206	1/8"	1/2"	3/8"
EL590208	1/8"	5/8"	1/2"
EL590210	1/8"	3/4"	5/8"
EL590212	1/8"	1"	3/4"
EL590215	1/8"	1 1/4"	15/16"
EL590217	1/8"	1 1/2"	1 1/16"
EL590226	1/8"	2"	1 5/8"



TIE WRAPS & ACCESSORIES

TIE WRAPS

NATURAL PN	UV BLACK PN	LENGTH	TENSILE STRENGTH	WIDTH	MAX DIAM.	PACK COUNT	TYPE
TW4	TW4B	4"	18 lb.	.10"	7/8"	100	Standard
TW8	TW8B	8"	40 lb.	.14"	2 1/8"	100	Standard
TW8M	TW8BM	8"	50 lb.	.19"	2"	100	Mounting Head
70800R	—	8"	50 lb.	.19"	2"	100	Releasable
70950XH	80950XH	9"	250 lb.	.51"	2"	50	Extra Heavy Duty
TW11	TW11B	11"	50 lb.	.19"	2 7/8"	100	Standard
TW14	TW14B	14"	50 lb.	.19"	4"	100	Standard
TW15H	TW15BH	15"	120 lb.	.30"	4"	100	Heavy Duty
TW15HM	TW15BHM	15"	120 lb.	.19"	3"	100	HD Mounting Head
—	81950XH	19"	250 lb.	.51"	4 3/4"	50	Extra Heavy Duty
TW24	TW24B	24"	175 lb.	.35"	7 1/2"	50	Heavy Duty
TW48	TW48B	48"	175 lb.	.35"	12"	50	Heavy Duty



NATURAL & UV BLACK



MOUNTING HEAD

BUTTON HEAD TIE WRAPS

PN	LENGTH	TENSILE STRENGTH	PACK COUNT
EL580900	9 5/8"	100 lb.	50



EL580900

TIE WRAP TENSIONER TOOLS

PN	DESCRIPTION
EL580000	Economy Tensioner/ plastic
EL580010	Premium Tensioner/ plastic



EL580000



EL580010

TIE WRAP ASSORTMENT

P/N 70650 650 PIECE TIE WRAP CANNISTER INCLUDES:
100 – 4" natural ties
200 – 4" assorted colors
200 – 5" UV black ties
100 – 8" natural ties
50 – 11" natural ties



70650

FRAME CLIPS & TUBE CLAMPS

FRAME CLIPS



EL540000

PN	LENGTH	TENSILE STRENGTH	PACK COUNT
EL540000	1/8"-1/4"	1-2 - 14 ga.	25
EL540001	1/8"-1/4"	2-3 - 14 ga.	25
EL540002	3/16"-3/8"	4-5 - 14 ga.	25

TUBE CLAMPS



Plastisol Dipped Design



Rubber Cushioned Design

SIZE	PLASTISOL DIPPED PN	PACK COUNT	RUBBER CUSHIONED PN	PACK COUNT	DOUBLE CLAMP PN	PACK COUNT
3/16"	EL540003	25	—	—	—	—
1/4"	EL540004	25	EL540104	25	—	—
5/16"	EL540005	25	—	—	—	—
3/8"	EL540006	25	EL540106	25	—	—
7/16"	EL540007	25	—	—	—	—
1/2"	EL540008	25	EL540108	25	EL540208	10
9/16"	EL540009	25	—	—	—	—
5/8"	EL540010	25	EL540110	25	—	—
3/4"	EL540012	25	EL540112	25	EL540212	10
7/8"	EL540014	25	EL540114	25	—	—
1"	EL540016	25	EL540116	25	EL540216	10
1-1/8"	EL540018	25	EL540118	25	—	—
1-1/4"	EL540020	25	EL540120	25	EL540220	10
1-3/8"	EL540022	25	—	—	—	—
1-1/2"	EL540024	25	EL540124	25	—	—
1-3/4"	—	—	EL540128	25	—	—
2"	—	—	EL540132	25	—	—
2-1/2"	—	—	EL540140	10	—	—
3"	—	—	EL540148	10	—	—

Tube clamps are available in plastisol dipped or EPDM rubber cushioned versions. Both are made from galvanized steel and have mounting holes for 1/4" studs.

FUSE KITS & ACCESSORIES

CARDED FUSE KITS

Kits are available with and without fuse pullers. Kit contains one fuse of each variety listed:

PN	W/PULLER PN	CONTAINS
AK-6	AT-7	ATC 5, 10, 15, 20, 25, & 30
KM-8	KM-9	ATM 2, 5, 7.5, 10, 15, 20, 25, & 30
UK-6	EK-7	AGC 5, 15, & 30, SFE 9, 14, & 20



FUSE PULLERS & TESTERS

The FT-3 puller/tester is designed to test glass and blade fuses in applications up to 24 volts in or out of the fuse block. Light glows when the fuse is good. Our other fuse pullers work on glass or blade fuses.

PN	DESCRIPTION
BP/FT-3	Carded fuses puller/tester
BP/FP-A3	Carded 2" fuse puller



FUSE BONUS PACKS

Bonus pack contains a FT-3 fuse tester/puller, and 7 each of either ATC or ATM 5, 10, 15, 20, 25 and 30 fuses.

PN	DESCRIPTION
NO43	ATM (5, 10, 15, 20, 25 & 30 fuses)
NO44	ATC (5, 10, 15, 20, 25 & 30 fuses)



FUSE HOLDERS

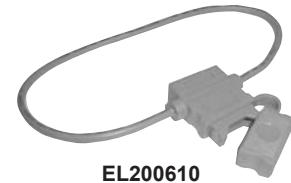
BULK PN	CARDED PN	DESCRIPTION
—	BP/HHK-RP	Glass, 1 – 20 amp
EL200130	BP/HHN-RP	Glass, w/AGC30 fuse
—	BP/HHC-RP	ATC, 1 – 20 amp
—	BP/HHD-RP	ATC, 25 – 30 amp
—	BP/HHD30-RP	ATC, w/ATC30 fuse
EL200610	BP/HHG-RP	ATC w/cap, 25 – 30 amp

FUSE RACKS

This rack contains 172 of the most popular blade and glass fuses. Included are:

- 50 – AGC,
- 50 – ATC,
- 50 – ATM,
- 5 – GBC,
- 10 – SFE
- 7 MAX fuses.

PN	DESCRIPTION
EMPTY-NO200	Empty rack – holds 51 five packs



EL200610

CIRCUIT BREAKERS - TYPES 1 & 2

STANDARD TYPE - 1

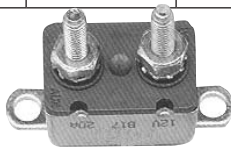
METAL PN	POLY PN	AMP	COLE HERSEE CROSS	VELVAC CROSS
54-115	54-115P	15	30056-15	091015
54-120	54-120P	20	30056-20	091020
54-125	54-125P	25	30056-25	091025
54-130	54-130P	30	30056-30	091030
54-140	—	40	30056-40	091040
54-150	—	50	30056-50	091050



54-115P

WITH BRACKET TYPE - 1

PN	AMP	COLE HERSEE	VELVAC CROSS	HALDEX CROSS
54-515	15	30055-15	091052	22415
54-520	20	30055-20	091053	22420
54-530	30	30055-30	091055	22430
54-540	40	30055-40	091056	22440



54-520

CIRCUIT BREAKER TYPES

Type I – Automatic Reset
Continuously cycles until the source of excess amps is removed or fixed.

Type II – Modified Reset
When tripped, circuit remains open until power is cut off.



CLIP TYPE - 2

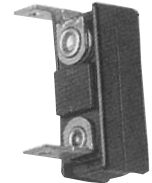
PN	AMP	COLE HERSEE CROSS	VELVAC CROSS
CBF10	10	30410-10	091080
CBF15	15	30410-15	091081
CBF20	20	30410-20	091082
CBF25	25	30410-25	—
CBF30	30	30410-30	091083
CBF35	35	30410-35	—



CBF20

MACK CLIP TYPE - 2

PN	AMP	OEM CROSS
CBT-15M	15	11MR24P5
CBT-20M	20	11MR24P6
CBT-25M	25	11MR24P7
CBT-30M	30	11MR24P8



CBT-15M

IHC CLIP TYPE - 2

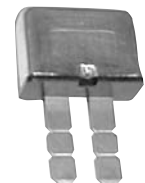
PN	AMP	OEM CROSS
CBT-10N	10	500455C1
CBT-15N	15	500456C1
CBT-20N	20	500457C1
CBT-30N	30	500458C1



CBT-20N

BLADE TYPE - 2

PN	AMP	COLE HERSEE	VELVAC CROSS
54-710	10	30409-10	091071
54-715	15	30409-15	091072
54-720	20	30409-20	091073
54-725	25	30409-25	091074
54-730	30	30409-30	091075

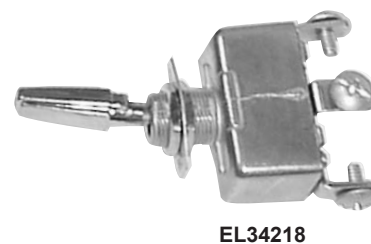
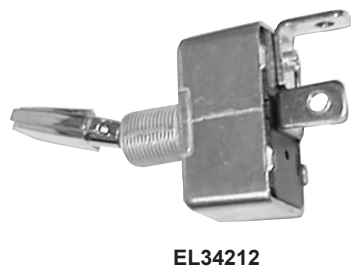
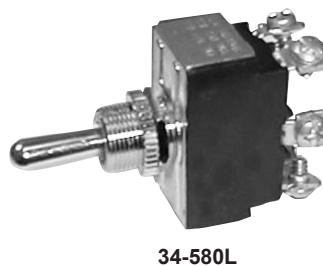
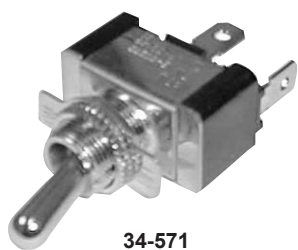


54-720

TOGGLE SWITCHES

SCREW TERM PN	BLADE TERM PN	HANDLE	AMP	TYPE	CIRCUIT	TERM
34-213	—	1.5" Paddle	50	SPST	On-Off	2
34-220	—	1.5" Long	50	SPDT	M-On/Off/M-On	3
34-225	—	1.5" BAT	50	SPDT	On-Off	3
34-571	34-571Q	11/16" Std.	20	SPST	On-Off	2
34-574	34-574Q	11/16" Std.	20	DPDT	On-Off	4
34-586	34-586Q	Lighted	20	SPST	On-Off	4
34-579	—	1.5" Long	20	SPST	On/M/Off	2
—	34-572Q	11/16" Std.	20	SPST	On-Off	3
34-576	34-576Q	11/16" Std.	20	DPDT	On-Off	6
34-573	—	11/16" Std.	20	SPST	On/Off/On	3
34-577	34-577Q	11/16" Std.	20	DPDT	On/Off/On	6
34-578	—	11/16" Std.	20	DPDT	M-On/Off/On	6
34-575	34-575Q	11/16" Std.	20	SPDT	M-On/Off/M-On	3
34-580L	—	1.5" BAT	20	DPDT	M-On/Off/M-On	6
EL34212	34-216	1" Paddle	50	SPST	On-Off	2
EL34218	—	1" Paddle	50	SPDT	On/Off/On	3

Note: Amp Ratings are for 12V application only, not 24V



ASSORTED SWITCHES

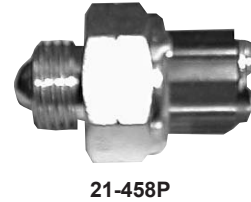
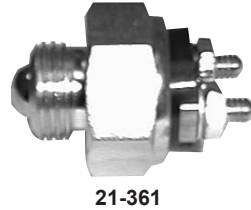
AXLE SWITCHES

PN	TYPE	CROSS
EL52261	Push-pull 2 speed	52-261
52-260	Terminal block limit	—



BALL OPERATED

PN	DESCRIPTION
21-361	2 stud
21-458P	2 screw



MASTER DISCONNECT

PN	DESCRIPTION
EL51302	6-36 volt – 2 stud
51-303	Face Plate For 51-302
51-304	6-36 volt – 4 stud



ROCKER SWITCHES

SCREW TERM PN	BLADE TERM PN	HANDLE	AMP	TYPE	CIRCUIT	TERM
34-301	34-308	Black	35	SPST	On-Off	2
34-305	—	Lighted	35	SPST	On-Off	3



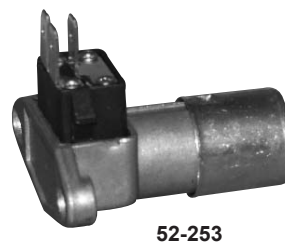
IGNITION SWITCHES

PN	DESCRIPTION	CROSS
24-360	12 volt – 60 amp – Momentary Start	—
52-611	12 volt – 15 amp – Momentary Start	—
EL31103	4 position – Acc/Off/Ignition/Start	31-103
EL31602/3	2 position – Off/On	31-602/3
31-219	3 position – high current (75 amp cont.) Off/Acc/On-Acc	—



DIMMER SWITCHES

PN	TYPE	LAMP
EL52250	—	52-250
52-253	3500 Pigtail	52-253
7762	3500 Pigtail	—



SOLENOID SWITCHES / ALARMS / BUZZER

SOLENOID SWITCHES



EL000200



EL000208

PN	VOLT	DUTY	TERMINALS	BRACKET	GROUND	COLE HERSEE CROSS	POLLAK CROSS
EL000200	12	Cont.	4	Flat	—	24059	52-307
EL000201*	12	Cont.	4	Flat	—	24143	—
EL000202	12	Cont.	3	Flat	Y	24106	52-312
EL000208	12	Cont.	3	Curved	Y	24082	—
EL000212	24	Cont.	4	Flat	—	24063	52-324
EL000213*	24	Cont.	4	Flat	—	24144	—
EL000218	36	Cont.	4	Flat	—	24080	—
EL000220	12	Intermit.	4	Flat	—	24047	—
EL000222	12	Intermit.	3	Flat	Y	24037	52-303

*150A/300A

BACK UP ALARMS PIEZO-ELECTRIC

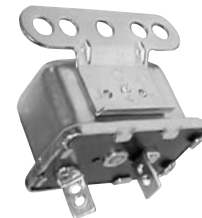


BU107

PN	VOLT	DECIBELS
BU87	12-48V	87db
BU97	12-48V	97db
BU107	12-48V	107db
210335	12-48V	112db

BUZZER

PN	VOLT	TERM	TYPE	CH CROSS
EL04099	12V	2 Screw	Buzzer Only	4099



EL04099

DIE-CAST ALUMINUM



HD107

PN	VOLT	DECIBELS
HD87	12-36V	87db
HD97	12-36V	97db
HD107	12V	107db
HD107-24	24-36V	107db
HD112	12-36V	112db

BATTERY / WIRE TOOLS & BOOSTER CABLES

BATTERY/WIRE TOOLS

PN	DESCRIPTION
EL20104	Heat Gun 100°/1,000°
EL700235	Terminal Spreaders



EL20104



EL700235

BATTERY & LUG TERMINAL CRIMPERS

Impact crimpers can be either struck with a hammer or used in a vise. Long handled and bench mount crimpers are made in the USA and crimp all major brands of lugs and terminals.



20105

PN	TYPE	CRIMPS GAUGES
20105	Impact	8 ga. thru 4/0
EL700103	Bench Mount	8 ga. thru 250MCM (6/0)



EL700103

BATTERY CABLE CUTTERS

Handheld cutters are 9" long and made from forged steel. Long handle and bench mount cutters both feature 22" handles to give you more leverage for easier cutting.

PN	TYPE	CUTS CABLE UP TO
20108	Long Handle	250 MCM (6/0)



20108

BOOSTER CABLE - BULK

Twinned welding cable for making your own custom length booster cables. Available in 100' rolls.

PN	GAUGE
EL924100	2/4 ga.



EL924100

BOOSTER CABLES 400 AMP

Made with twinned 4 gauge cable with 400 amp clamps.

PN	TYPE
EL100412	12'
EL100416	16'
EL100420	20'
EL100425	25'
EL922800	Pair - Replacement Camps



EL100416

BOOSTER CABLES - 500 AMP

Made with twinned welding cable with 500 amp parrot jaw clamps.

PN	GAUGE	LENGTH	TWINE
EL100416P	4	16'	Twined
EL100420P	4	20'	Twined
EL100425P	4	25'	Twined
EL100220P	2	20'	Non-Twined
EL100225P	2	25'	Non-Twined
EL922600	Pair - Replacement Clamps		



EL100420P

BOOSTER CABLE - PLUG IN

Made with 500 amp Parrot Jaw clamps. 25' total length, includes 20' plug to clamp section and 5' plug to battery section. Useful for wreckers, fleets and service stations.

PN	GAUGE
EL700504	4 ga.
EL700502	2 ga.



EL700502

BATTERY TOOLS / CABLES

SERVICE CORDS / SHOP LIGHTING / CLIPS & LEADS



EL911450



EXTENSION CORDS

Our premium extension cords are commercial quality cable with lighted ends, and jacketing designed to withstand oil, grease and acids. It is also resistant to abrasion and ozone. The cords are made from three conductor 300 volt SJEOW wire and remain flexible down to -67° F.

PN	GAUGE	LENGTH
EL911625	16/3	25'
EL911650	16/3	50'
EL911425	14/3	25'
EL911450	14/3	50'
EL911225	12/3	25'
EL911250	12/3	50'



100ARSTF

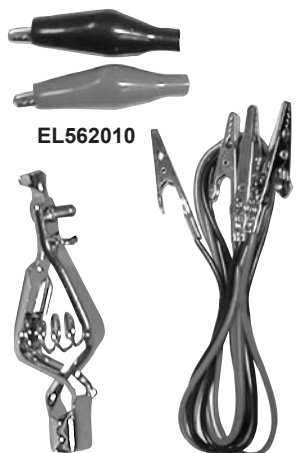


23287

SERVICE CORD - BULK

Our premium service cord is neoprene jacketed and remains flexible down to -40°C. It offers excellent resistance to oil, abrasion, acids and ozone. 300 Volt. Sold in 250' reels only

PN	GAUGE	TYPE
23287	2/14	SJEOW
23387	3/14	SJEOW



EL562010

EL560030

EL565010

CLIPS & TEST LEADS

Available in standard pack quantities with or without insulators. Clips with insulators will be mixed red and black.

PN	LENGTH	DESCRIPTION
EL560005	1 3/32"	5 Amp Alligator Clip
EL562005	1 3/32"	5 Amp Alligator Clip w/Insulators
EL560010	1 31/32"	10 Amp Alligator Clip
EL562010	1 31/32"	10 Amp Alligator Clip w/insulators
EL562000	2"	10 Amp Test Clip w/insulators
EL560030	2 27/32"	30 Amp Test Clip
EL562030	2 27/32"	30 Amp Test Clip w/insulators
EL560050	4 7/64"	50 Amp Test Clip
EL562050	4 7/64"	50 Amp Test Clip w/insulators
EL565010	24"	Insulated Test Leads w/10 Amp Alligator Clips (1 pair red & black)

WORK LIGHTS

PN	GAUGE	LENGTH	TYPE
ELU25	26 Watt	25'	SJEOW
EL9425	Angled Fluorescent	25'	SJEOW
EL9450	Angled Fluorescent	50'	SJEOW

INCANDESCENT DROP LIGHTS

Our professional quality drop lights feature metal guards, and include switches and extension outlets. They are constructed with heavy duty 16/3 configuration SJT cable. Rough service bulbs separately.



PN	GAUGE	LENGTH
EL9925	16/3	25'
EL9950	16/3	50'

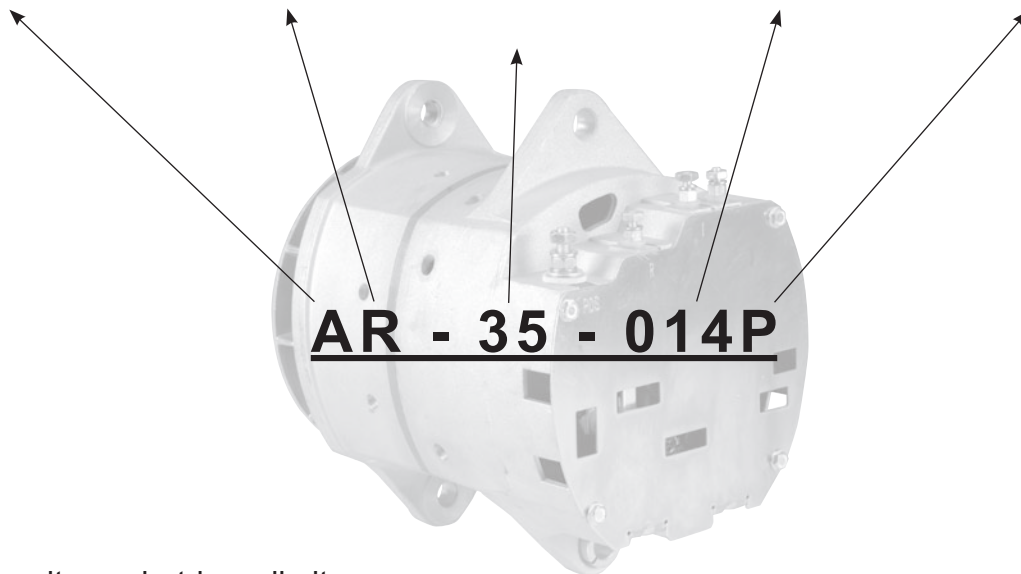
SERVICE BULBS

Our rough service bulbs stand up to the rigors of shop usage. Silicone coated bulbs hold the glass bulb together to avoid shattering.

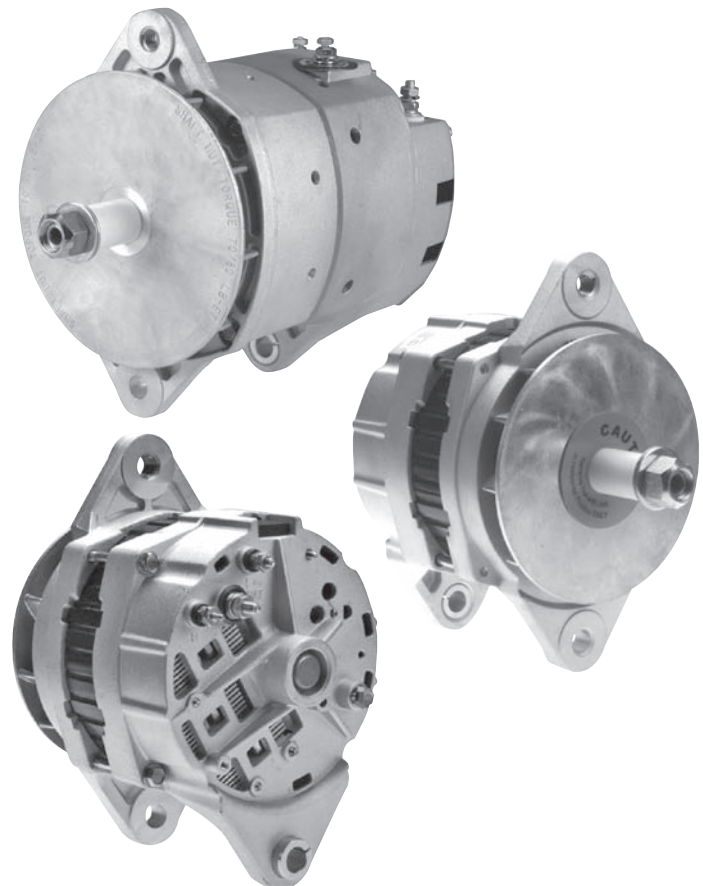
PN	DESCRIPTION
RSB75	75 Watt - Standard
RSB100	100 Watt - Standard
75ARSTF	75 Watt - Silicone Lined
100ARSTF	100 Watt - Silicone Lined

ALTERNATOR NUMBERING SYSTEM

PRODUCT	STYLE	MODEL	AMPS	MOUNT
A-Alternator	R- Delco Remy	21-21SI	010- 100	P- Pad Mount
	L- Leece Neville	22- 22SI	014- 140	Q- Quad Mount
		24- 24SI	015- 150	H-Hinge Mount
		35- 35SI	016- 160	
		55- LN555		



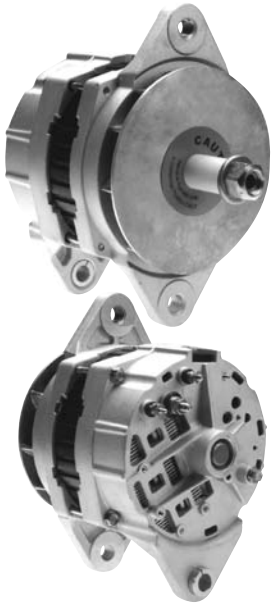
- Over-voltage shutdown limits voltage if output terminal becomes disconnected from the battery.
- Open-sense shutdown shuts down the alternator if sense terminal opens.
- Rotor shafts are CNC- machined and precision-ground for accurate dimensions and smooth finish.
- Wound on OE equipment provides complete consistency, is automatically 100% tested and assures reliability.
- Polyester heavy-coat wire ensures uniform coating for electrical reliability.
- Splines and bearing surfaces are heat-treated. Wire and varnish rated 1800C.
- Load-dump protection protects the transistor from transient.



ALTERNATORS - 21 / 22 SERIES

Design Features and Benefits:

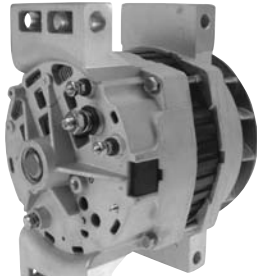
- Dual fans create a cool environment for bearings and electronics.
- Dual spacers and slingers provide built-in protection from water and other contaminants.
- Multi-function regulator with an environmentally sealed packard connector features auto-start and optional remote sense capability.
- Smaller slip rings with higher resistance to brush bounce extend service life.
- SRE cover protects electronics while managing airflow.
- One-wire connection for easy installation.
- Advanced design "Avalanche" press fit diodes provide long life, protection from electrical system spikes.



AR-21-010H

MODEL 21

PN	VOLT	AMP	MOUNT	DELCO CROSS
AR-21-010H	24	60 - 70	Hinge	1117897 1117900 19010108 19010111 19010182



AR-22-015P

Models 21 / 22 Specifications:

Performance Output:

130 / 145 / 150 Amps - 12 Volts

Rotation:

Clockwise

Maximum Speed:

10,000 rpm Continuous
12,000 rpm Intermittent

Polarity:

Negative Ground Standard

Temperature Limits:

-30° F Ambient (Min)
+200° F Ambient (Max)

Mounting:

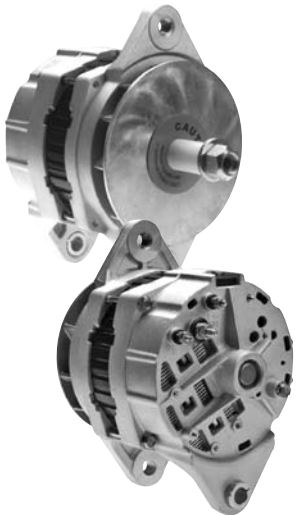
SAE J180 Standard Quad and/or Pad Mount

Weight:

-14.2 lbs. or 6.46 kg.

MODEL 22

PN	VOLT	AMP	MOUNT	DIMENSIONS	DELCO CROSS
AR-22-015H	12	150	Hinge Mount w/Pulley	1/4-28 Batt. Term. Universal R-Term., 10-24 I-Term	19020306 19020310
AR-22-015P	12	145	Pad Mount w/o Pulley	5/16-18 Batt. Term. 10-24 R-Term., 10-24 I-Term.	19020388 19020389



AR-22-015H

ALTERNATORS - 24 SERIES

Model 24 Design Features and Benefits:

- Dual internal fans create a cool environment for bearings and electronics.
- Built-in protection from water and other contaminants with dual spacers and slingers.
- Multi-function regulator with an environmentally sealed packard connector features auto-start and optional remote sense capability.
- Smaller slip rings with higher resistance to brush bounce extend service life.
- SRE cover protects electronics while managing airflow.
- Easy installation with one-wire connection.
- Advanced design "Avalanche" press fit diodes provide long life, protection from electrical system spikes.



AR-24-016H



AR-24-016P

MODEL 24

PN	VOLT	AMP	MOUNT	DIMENSIONS	DELCO CROSS
AR-24-016H	12	160	Hinge Mount w/o Pulley	5/16-18 Batt. Term. 10-24 I-Term. 10-24 R-Term.	8600310
AR-24-016P	12	160	Hinge Mount w/o Pulley	5/16-18 Batt. Term. 10-24 I-Term. 10-24 R-Term.	8600889

Model 24 Specifications:

Performance Output:

160 Amps - 12 Volts

Construction:

Brush

Stator Diameter:

144mm

Typical Weight:

7.6 kg (16.7 lbs)

Length (to end of shaft):

223mm

Speed Capability:

10,000 rpm Continuous

12,000 rpm Intermittent

Temperature Limits:

-40° F Ambient (Min)

+221° F Ambient (Max)

Polarity:

Negative Ground

Rotation:

Clockwise

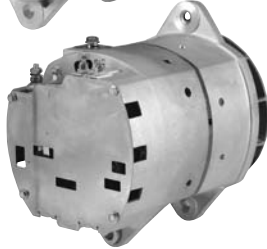
ALTERNATORS - 35 SERIES

Model 35 Design Features and Benefits:

- Strategically placed radiant vents ensure maximum cooling of internal components in high-temperature underhood environments.
- Premium brushless design extends service life and optimizes performance.
- High-efficiency stator windings and optimized rotor design deliver high output.
- Oversized heavy duty bearings and premium-quality steel shaft withstand high vibration and heavy belt loads.
- High thermal-capacity design stands up to extreme temperatures, thermal stress for extended service life.
- All Model 35 Alternators feature Remote Sense Technology capability, optimizing battery state of charge.



AR-35-014H



AR-35-014P



AR-35-014Q



AR-35-014Q

MODEL 35

PN	VOLT	AMP	MOUNT	DIMENSIONS	DELCO CROSS
AR-35-014H	12	140	Hinge Mount w/o Pulley	1/4-28 Batt. Term. Universal R-Term., 10-24 I-Term	8600064 8700016 10459612 19011260
AR-35-014P	12	140	Hinge Mount w/o Pulley	1/4-28 Batt. Term. 10-24 R-Term., 10-24 I-Term. 10-24 Remote Sense Term.	8600066 8700018
AR-35-014Q	12	140	Quad Mount w/o Pulley	1/4-28 Batt. Term. 10-24 R-Term., 10-24 I-Term. 10-24 Remote Sense Term	8600065 8700017

Model 35 Specifications:

Performance Output:
105 / 140 Amps - 12 Volts

Maximum Speed:
10,000 rpm Continuous
12,000 rpm Intermittent

Temperature Limits:
-40° F Ambient (Min)
+221° F Ambient (Max)

Rotation:
Clockwise or Counter Clockwise

Polarity:
Negative Ground Standard

Mounting:
SAE J180 Standard Quad and/or Pad Mount

Weight:
-25.4 lbs. or 115 kg.

ALTERNATORS - 8LHA/555 & 2800LC/8LHP SERIES

MODEL 8LHA/555

PN	VOLT	AMP	MOUNT	DIMENSIONS	LEECE NEVILLE CROSS
AR-55-016H	12	160	Dual Foot J-180 Mount w/o Pulley	5/16-24 Positive 1/4-28 Negative 8736 - 8741 Shaft Diameter	8LHA2070VF 110-555JHO

Model 8LHA/555 Specifications:

Performance Output:
160 Amps - 12 Volts

Rotation:
Clockwise

Positive Stud Size:
5/16 - 24

Shaft Diameter:
.8736-8741

Negative Stud Size:
1/4 - 28

Mounting:
SAE J180 Pad Mount

Temperature Limits:
-40° F Ambient (Min)
+221° F Ambient (Max)

Pulley:
Not Included

Rectifier Location:
Integral



AR-55-016H

MODEL 2800LC / 8LHP

PN	VOLT	AMP	MOUNT	TYPE	LEECE NEVILLE CROSS
AL-28-016H	12	160 Neg or Pos Ground	Hinge Mount w/o Pulley	2800LC Series	A0012800LC
AR-55-016P	12	160 Neg or Pos Ground	4 Point Pad Mount w/o Pulley	8LHP Series	8LHP2170VF 110-555PHO



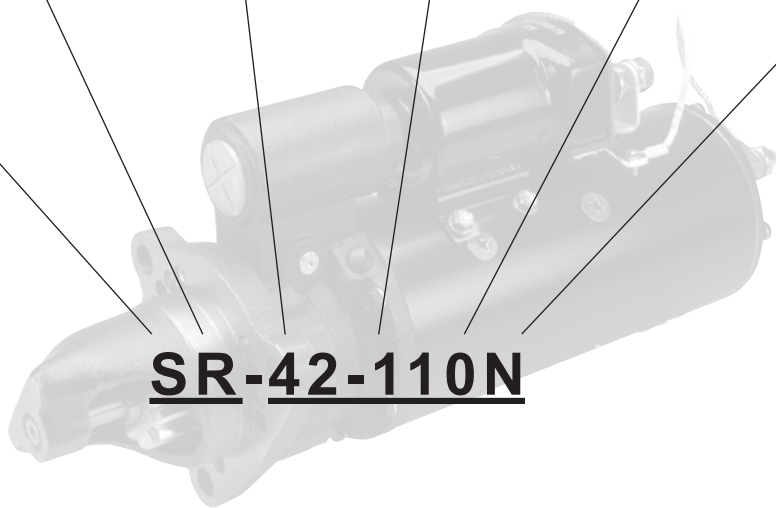
AL-28-016H



AR-55-016P

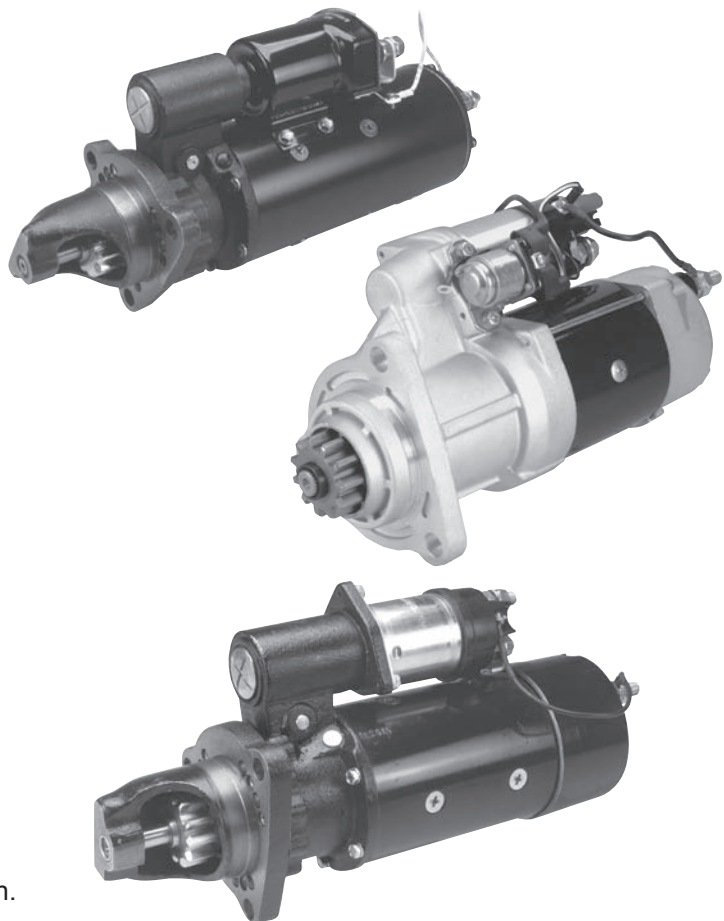
STARTERS - NUMBERING SYSTEM

PRODUCT	TYPE	MODEL	GEAR TEETH	NOSE POSITION	OPTION
S- Starter	L- Leece Neville R- Delco Remy D- Denso	37-37 MT 39-39 MT 40-40 MT 41-41 MT 42-42 MT	11- 11 Teeth 12- 12 Teeth	0- 82° 1- 88° 3- 52° 5- 315°	N - No Option C - Overcrank Protection



SR-42-110N

- Endurance tested for over 15,000 cycles WITH NO FAILURES!
- Critical dimensions, including static and engaged pinion positions, and pinion chamber meet OE specifications assuring long pinion life, and smooth meshing with the flywheel.
- Splines & bearing surfaces are heat-treated.
- Solenoid designs are endurance tested on starters to verify consistent performance in the real-world operating environment.
- Computer-controlled varnish application and curing, for deep penetration, reliability and long lasting performance.
- Top Quality Brushes, 30,000 cycle.
- High-grade copper wire and insulation for outstanding electrical properties.
- Machine-wound and die pressed for accurate shape and ease of installation.
- Shafts are CNC-machined and precision-ground for accurate dimensions and smooth finish.



STARTERS - 39 SERIES

MODEL 39 SERIES

Design Features and Benefits:

- Heavy duty bearing and bushing system increases motor life and reliability.
- Forged gear support and high strength steel shafts provide superior durability.
- Maximum Torque gearing system delivers high torque output and starting power in a low mass, lightweight design.
- Sealed noseless configuration reduces debris accumulation and contamination-related maintenance and expense.
- Labyrinth drain housing design utilizes multiple drain points with O-Ring seals for protection from environmental contaminants.
- Electrical Soft-Start Engagement System rotates pinion for proper ring-gear engagement before cranking, minimizing tooth abutment-related damage.
- Cast aluminum drive and commutator end housings provide high strength and lightweight construction.
- Optional OCP (Overcrank Protection) protects starter from thermal damage and automatically resets after reaching a safe operating temperature.

Model Specifications:

Engine Size:

Diesel: 12V: up to 15 Liters

Rotation:

Clockwise

Standard Mountings:

SAE #1, SAE #3

Standard Pinions:

11-tooth/6-8 pitch

Weight:

30.8 lbs (14 kg)

Drive:

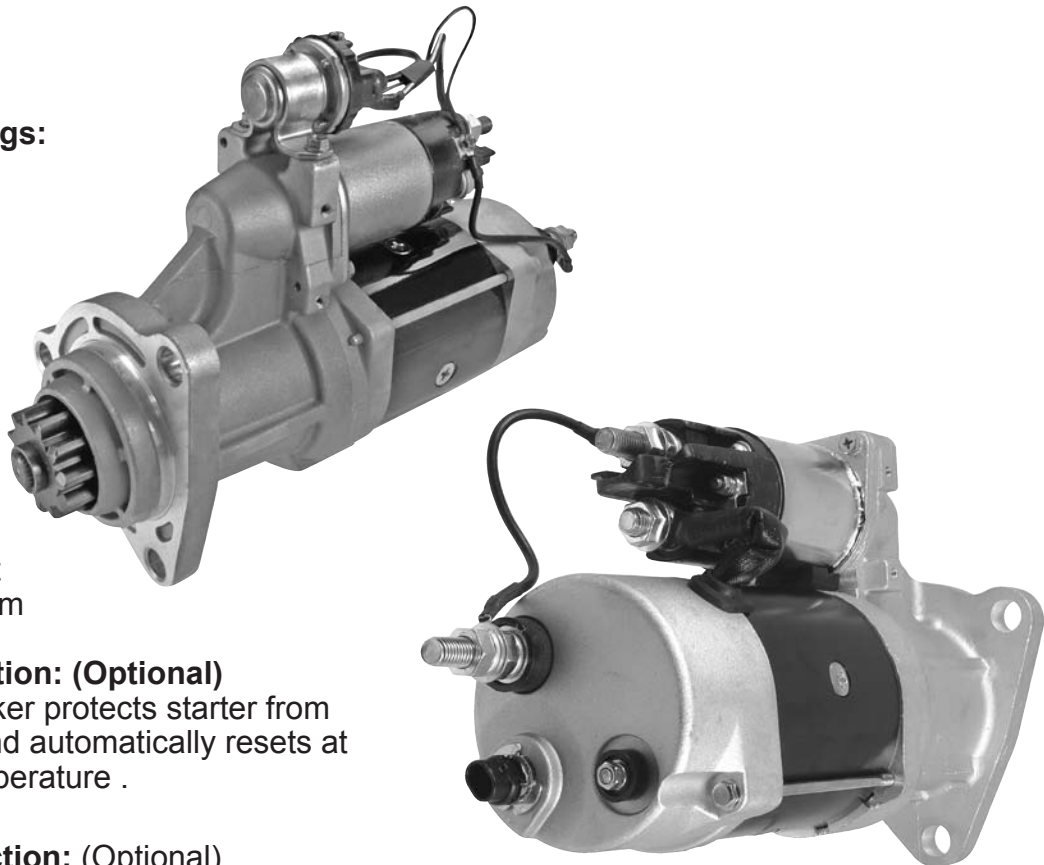
Heavy duty design
Electrical Soft-Start
Engagement System

Overcrank Protection: (Optional)

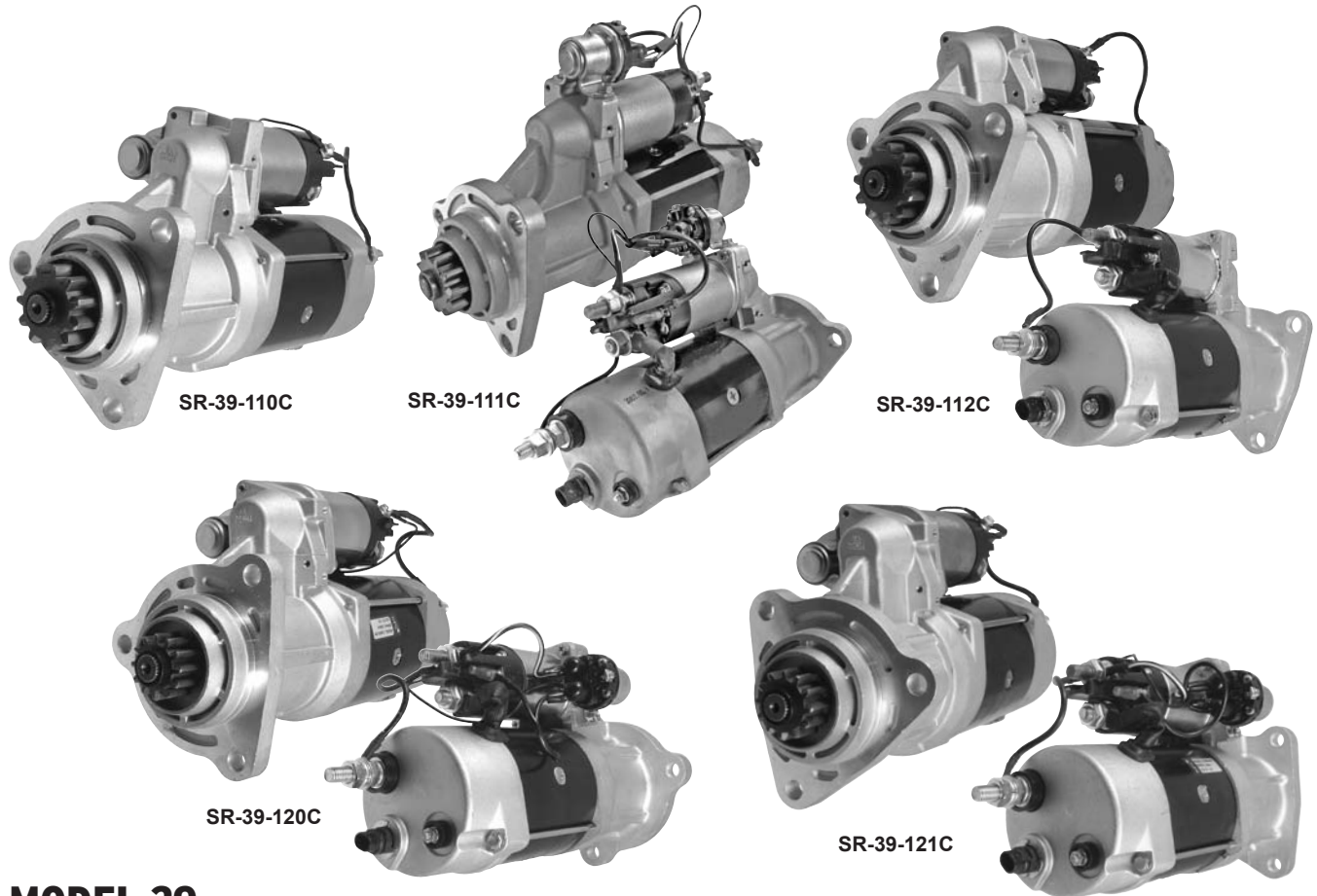
Built-in circuit breaker protects starter from thermal damage and automatically resets at safe operating temperature .

Jump Start Protection: (Optional)

Special shield and solenoid cap available to meet SAE J1493 recommendations



STARTERS - 39 SERIES



MODEL 39

PN	VOLT	TOOTH	SOLENOID POSITION	DETAIL	APPLICATION	DELCO CROSS
SR-39-110C	12 V	11	@ 82°	Integral Magnetic Switch	Caterpillar C15, Cummins ISX, Detroit Diesel S60, Freightliner, International, Volvo Truck	10461753, 19011506, 19011516, 19011519, 19011521, 8200033, 8200040, 8200083, 8200289, 8300009,
SR-39-111C	12 V	11	@ 88°	With Overcrank Protection	Cat C10/C12 Cummins, ISM Cat C9/C11/C13 C15 Acert Cummins ISX Peterbilt, Kenworth	8200050, 8200090, 8200104
SR-39-112C	12 V	11	@ 88°	With Overcrank Protection	Mack E7	19011505, 19011531, 8200037, 8200288
SR-39-120C	12 V	12	@ 82°	With Overcrank Protection	Freightliner MBE 4000	19011514, 19011525
SR-39-121C	12 V	11	@ 88°	With Overcrank Protection	Volvo D12	19011515, 8200186, 8200291