

# Wire & Cable



## Primary Wire

**JT&T Products;** Stranded annealed, single-conductor copper wire within general purpose thermoplastic (GPT) insulation is standard for original equipment and replacement on vehicular equipment. Its smooth surface makes it ideal for pulling through loom or JT&T Flex-Guard Convuluted Tubing. The thermoplastic insulation operates suitably between extreme temperature. Temperature rating for black, orange, red, green, blue, yellow, brown & white wire is 80°C (176°F). Temperature rating for pink & purple wire is 105°C (221°F). Rated at 60 Volts. Wire is RoHS compliant and meets or exceeds S.A.E. J1128 specifications. JT&T Primary Wire is resistant to grease, oil, acids and available in ten bright colors for easy identification. Available in 100 Ft., 500 Ft., or 1,000 Ft., spools come in carded packages that can be hung on racks or displays. Call for prices on larger size spools of wire. Wire is made in the USA.

**"F" packs of Primary Wire come in retail packaging. 8 AWG lengths come on spools.**

Gauge:	8 AWG	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
Length:	25 Ft	8 Ft	12 Ft	15 Ft	20 Ft	30 Ft
Black	80F	100F	120F	140F	160F	180F
Orange	—	101F	121F	141F	161F	181F
Red	82F	102F	122F	142F	162F	182F
Pink	—	103F	123F	143F	163F	183F
Purple	—	104F	124F	144F	164F	184F
Green	—	105F	125F	145F	165F	185F
Blue	—	106F	126F	146F	166F	186F
Yellow	—	107F	127F	147F	167F	187F
Brown	—	108F	128F	148F	168F	188F
White	—	109F	129F	149F	169F	189F

**100 Ft. lengths of Primary Wire come on spools.**

Gauge:	8 AWG	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
Length:	100 Ft	100 Ft	100 Ft	100 Ft	100 Ft	100 Ft
Black	80C	100C	120C	140C	160C	180C
Orange	—	101C	121C	141C	161C	181C
Red	82C	102C	122C	142C	162C	182C
Pink	—	103C	123C	143C	163C	183C
Purple	—	104C	124C	144C	164C	184C
Green	—	105C	125C	145C	165C	185C
Blue	—	106C	126C	146C	166C	186C
Yellow	—	107C	127C	147C	167C	187C
Brown	—	108C	128C	148C	168C	188C
White	—	109C	129C	149C	169C	189C

**To order 500 Ft. spools put "D" after the part number – for example 120D.**

**To order 1,000 Ft. spools put "M" after the part number – for example 120M.**

## 8101F - 3M Temflex™ Vinyl Electrical Tape

3M electrical tape is both economical and effective as a general purpose tape for jacketing and harnessing wiring applications. 60 Ft. rolls.



**SXL Cross-Linked Wire**

SXL Cross-Linked Polyethylene Wire is general purpose automotive & marine wire for circuit wiring where higher heat resistance is a requirement. Vulcanized to obtain thermosetting insulation which will not melt when exposed to heat. Wire is rated at 60 Volts with a temperature rating of 125°C (257°F). RoHS compliant & conductors meet or exceed S.A.E. J1128 specifications. Resistant to grease, oil, acid, abrasion & aging. Available in seven bright colors for easy identification. Wire is made in the USA.

100 Ft. of SXL Wire come on spools.



Gauge:	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
Length:	100 Ft	100 Ft	100 Ft	100 Ft	100 Ft
Black	100XC	120XC	140XC	160XC	180XC
Orange	—	121XC	141XC	161XC	181XC
Red	102XC	122XC	142XC	162XC	182XC
Green	105XC	125XC	145XC	165XC	185XC
Blue	106XC	126XC	146XC	166XC	186XC
Yellow	107XC	127XC	147XC	167XC	187XC
Brown	108XC	128XC	148XC	168XC	188XC
White	109XC	129XC	149XC	169XC	189XC

**Motor “Hook-Up” Wire**

**JT&T Products;** UL/CSA 1015 general purpose electrical motor and hook-up wire is stranded, single-conductor bare copper wire within 1/32” polyvinyl chloride (PVC) insulation. 1015 wire is multi-rated for internal wiring of appliances, equipment and for machine tools. Excellent choice for any HVAC/R or RV application. Its smooth surface makes it ideal for pulling through loom or JT&T Flex-Guard Tubing. 1015 wire is rated at 600 Volts with a temperature rating of 105°C (221°F). RoHS compliant. Meets Underwriters Laboratories (UL), Canadian Standards Association (CSA), Machine Tool Wire (MTW), Thermoplastic Equipment Wire (TEW), Appliance Wiring Material (AWM), 1015/1230/1345 specifications. JT&T 1015 Motor “Hook-Up” Wire is resistant to grease, oil, acids, water, solvents, fungus and available in five colors for easy identification. Available in 100 Ft., 500 Ft., 1,000 Ft., in spools and hanging carded packages. Call for prices on larger size spools of wire. Wire is made in the USA.

“F” packs of Motor Wire come in retail packages.

Gauge:	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
Length:	8 Ft	12 Ft	15 Ft	16 Ft	18 Ft
Black	3100F	3120F	3140F	3160F	3180F
Red	3102F	3122F	3142F	3162F	3182F
Green	3105F	3125F	3145F	3165F	3185F
Blue	3106F	3126F	3146F	3166F	3186F
White	3109F	3129F	3149F	3169F	3189F

100 Ft. of Motor Wire wire come on spools.

Gauge:	10 AWG	12 AWG	14 AWG	16 AWG	18 AWG
Length:	100 Ft	100 Ft	100 Ft	100 Ft	100 Ft
Black	3100C	3120C	3140C	3160C	3180C
Red	3102C	3122C	3142C	3162C	3182C
Green	3105C	3125C	3145C	3165C	3185C
Blue	3106C	3126C	3146C	3166C	3186C
White	3109C	3129C	3149C	3169C	3189C

To order 500 Ft. spools put “D” after the part number – for example 3120D.

To order 1,000 Ft. spools put “M” after the part number – for example 3120M.



**WR8772 4-Rod Wire Spool Rack**

**Product Features:**

- 26-1/8” (width) x 6” (depth) x 37-1/8” (height).
- Prime cold rolled steel construction.
- Includes 4 polished steel rods.
- Gray powder coat is rust & acid resistant.
- Punched side panels allow quick spool changes.
- For storage & organization of spooled wire.
- Easy to store different sized spools on the same rod.
- Holds spools up to 7” in diameter.
- Keyhole slots are provided for wall mounting.



# Wire & Cable

## Fusible Link Wire

Fusible link wire is designed to “open” a circuit when electrical current overload occurs. This “opening” of the circuit stops the current and prevents damage to electrical instruments or to accessories, and is most often used when the placement of a fuse is not possible. These products meet or exceed S.A.E. J-156 specifications. CAUTION : A fusible link IS NOT intended to be used in place of a fuse, only where a fuse cannot be used. When replacing fusible link, the wire gauge used should be 4 gauges smaller than the existing wiring circuit. Example: 14 gauge system, use 18 gauge, fusible link wire.

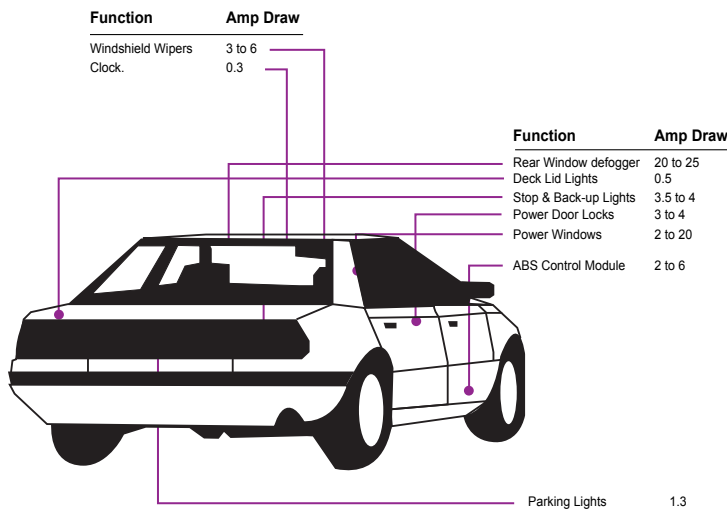
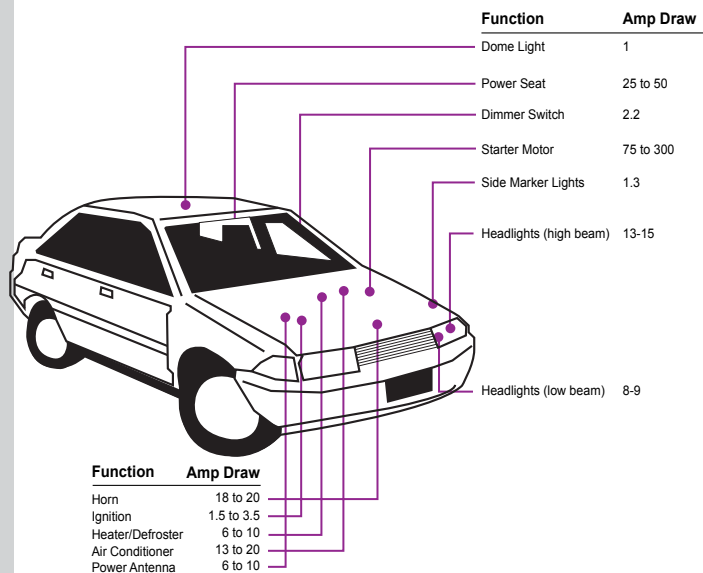
## Spools and Retail Packs

Gauge	Color	Retail Pack	Length	Spool	Length
18 AWG	Teal	201F	4 Ft	201C	100 Ft
16 AWG	Black	202F	3 Ft	202C	100 Ft
14 AWG	Gray	203F	3 Ft	203C	100 Ft
12 AWG	Teal	204F	2 Ft	204C	100 Ft
10 AWG	Orange	205F	1 Ft	205C	100 Ft

## Typical Vehicle Amperage Draw

12V AMP	Wire Gauge and Length (total circuit length)												
	3'	5'	7'	10'	15'	20'	25'	30'	40'	50'	75'	100'	
1	18	18	18	18	18	18	18	18	18	18	18	18	
1.5	18	18	18	18	18	18	18	18	18	18	18	18	
2	18	18	18	18	18	18	18	18	18	18	16	16	
3	18	18	18	18	18	18	18	18	18	18	14	14	
4	18	18	18	18	18	18	18	18	18	16	16	12	12
5	18	18	18	18	18	18	18	18	18	16	14	12	12
6	18	18	18	18	18	18	16	16	16	14	12	10	10
7	18	18	18	18	18	18	16	16	16	14	14	10	10
8	18	18	18	18	18	16	16	16	16	14	12	10	10
10	18	18	18	18	16	16	16	14	12	12	10	10	10
11	18	18	18	18	16	16	14	14	12	12	10	8	8
12	18	18	18	18	16	16	14	14	12	12	10	8	8
15	18	18	18	18	14	14	12	12	12	10	8	8	8
18	16	16	16	16	14	14	12	12	10	10	8	8	8
20	16	16	16	16	14	12	10	10	10	10	8	6	6
22	14	14	14	14	12	12	10	10	10	8	6	6	6
24	14	14	14	14	12	12	10	10	10	8	6	6	6
30	12	12	12	12	10	10	10	10	10	6	4	4	4
40	10	18	18	18	18	18	18	18	6	6	4	2	2
50	8	8	8	8	8	8	8	8	6	6	2	2	2
100	4	4	4	4	4	4	4	4	4	2	1	1/0	1/0
150	2	2	2	2	2	2	2	2	2	1	2/0	2/0	2/0
200	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	1/0	4/0	4/0	4/0

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## Bonded - Trailer Wire

- Trailer Wire is constructed of top grade stranded copper wire made in the USA.
- RoHS compliant & conductors meet or exceed S.A.E. J1128 specifications.
- Rated at 60 Volts with a temperature rating of 80°C (176°F).
- Designed especially for RVs, boat & utility trailers.



### Bonded-Trailer Wire Comes on a Spool.

2-Way: Red/Black			
Gauge:	14 AWG	16 AWG	18 AWG
Length:	100 Ft	100 Ft	100 Ft
	271C	272C	273C
3-Way: Brown/Yellow/Green			
Gauge:	14 AWG	16 AWG	18 AWG
Length:	25 Ft	25 Ft	25 Ft
	—	2523F	—
Length:	100 Ft	100 Ft	100 Ft
	274C	2523C	275C
4-Way: White/Brown/Yellow/Green			
Gauge:	14 AWG	16 AWG	18 AWG
Length:	25 Ft	25 Ft	25 Ft
	—	2522F	—
Length:	100 Ft	100 Ft	100 Ft
	276C	2522C	277C

\*\*14 & 16 AWG 5-Way is available upon request\*\*

To order 500 Ft. spools put 'D' after the part number - for example 2523D

To order 1,000 Ft. spools put 'M' after the part number - for example 2523M



2-Way



3-Way



4-Way

## Speaker Wire

- Stereo Speaker Wire constructed of top grade stranded copper wire made in the USA.
- Speaker Wire is PVC Insulated & has a Clear Coat w/ Tracer.
- Primary use for this 2-Way conductor wire is audio equipment.

### Speaker Wire Comes on a Spool.

Gray Jacketed - Duplex Wire   2-Way: Blk/Wht				
Gauge:	12 AWG	14 AWG	16 AWG	18 AWG
	2-Way	2-Way	2-Way	2-Way
Length:	25 Ft	25 Ft	25 Ft	25 Ft
	—	227F	224F	222F
Length:	100 Ft	100 Ft	100 Ft	100 Ft
	228C	227C	224C	222C

To order 500 Ft. spools put "D" after the part number - for example 222D.

To order 1,000 Ft. spools put "M" after the part number - for example 222M.



## Jacketed - Trailer Wire

- Jacketed Trailer Wire is Black PVC Insulated & is constructed of top grade stranded copper wire made in the USA.
- Wire is rated at 60 Volts with a temperature rating of 80°C (176°F). RoHS compliant & conductors meet or exceed S.A.E. J1128 specifications.
- Especially designed for reliability as an integral part of the brake safety system.
- 1st color listed is in the midnight position - rotation is clockwise.

### Jacketed-Trailer Wire Comes on a Spool.

4-Way: Blk/Red/Brn/Wht			
Gauge:	12 AWG	14 AWG	16 AWG
Length:	100 Ft	100 Ft	100 Ft
	265C	263C	261C
6-Way: Red/Grn/Brn/Wht/Blk/Ylw			
Gauge:	12 AWG	14 AWG	16 AWG
Length:	100 Ft	100 Ft	100 Ft
	266C	260C	262C
7-Way: Red/Grn/Brn/Wht/Blk/Ylw/Blu			
Gauge:	12 AWG	14 AWG	16 AWG
Length:	100 Ft	100 Ft	100 Ft
	—	264C	—

To order 500 Ft. spools put 'D' after the part number - for example 261D.

To order 1,000 Ft. spools put 'M' after the part number - for example 261M.



4-Way



6-Way



7-Way

## Jacketed Wire

- Jacketed Duplex, Triplex & Quadruplex Wire is Gray PVC Insulated & is constructed of top grade stranded copper wire made in the USA. Wire is rated at 60 Volts with a temperature rating of 105°C (221°F).
- RoHS compliant & conductors meet or exceed S.A.E. J1128 specifications.
- Recommended for trucks, buses, tractors, light-duty boats & general service.

### Jacketed Wire Comes on a Spool.

Gray Jacketed - Duplex Wire   2-Way: Blk/Wht				
Gauge:	8 AWG	10 AWG	12 AWG	14 AWG
	16 AWG			
Length:	100 Ft	100 Ft	100 Ft	100 Ft
	280C	281C	282C	283C
	284C			
Gray Jacketed - Triplex Wire   3-Way: Blk/Grn/Wht				
Gauge:	8 AWG	10 AWG	12 AWG	14 AWG
	16 AWG			
Length:	100 Ft	100 Ft	100 Ft	100 Ft
	—	290C	291C	292C
		293C		
Gray Jacketed - Quadruplex Wire   4-Way: Wht/Grn/Red/Blk				
Gauge:	8 AWG	10 AWG	12 AWG	14 AWG
	16 AWG			
Length:	100 Ft	100 Ft	100 Ft	100 Ft
	—	295C	296C	297C
		298C		

To order 500 Ft. spools put 'D' after the part number - for example 280D.

To order 1,000 Ft. spools put 'M' after the part number - for example 280M.



# Wire & Cable

## OEM Style Fuse Link Kits



Part#	Gauge	Stud	Length	Description
206F	18 AWG	5/16"	10.50"	Red Wire
207F	16 AWG	5/16"	10.50"	Orange Wire
208F	14 AWG	5/16"	10.50"	Green Wire
209F	16 AWG	1/4"	9.25"	Black Wire
210F	14 AWG	3/8"	9.25"	Black Wire
211F	18 AWG	—	8.00"	Black Wire
212F	16 AWG	—	8.00"	Black Wire
213F	14 AWG	—	7.00"	(2) Gray Wires & (6) 16-14 AWG Connectors
214F	12 AWG	—	7.00"	(2) Teal Wires & (6) 12-10 AWG Connectors

## Starter Cable | Comes on Spools

Starter Cable (Battery Cable) is available with either red or black high temperature PVC insulation & in sizes 6 AWG to 4/0 AWG; full gauge copper conductor. Wire is rated at 60 Volts with a temperature rating of 105°C (221°F). RoHS compliant & conductors meet or exceed S.A.E. J1127 specifications. Resistant to chemicals, grease, oil, acid & abrasion. Recommended for connecting battery to switch, starter & ground. Wire is made in the USA.

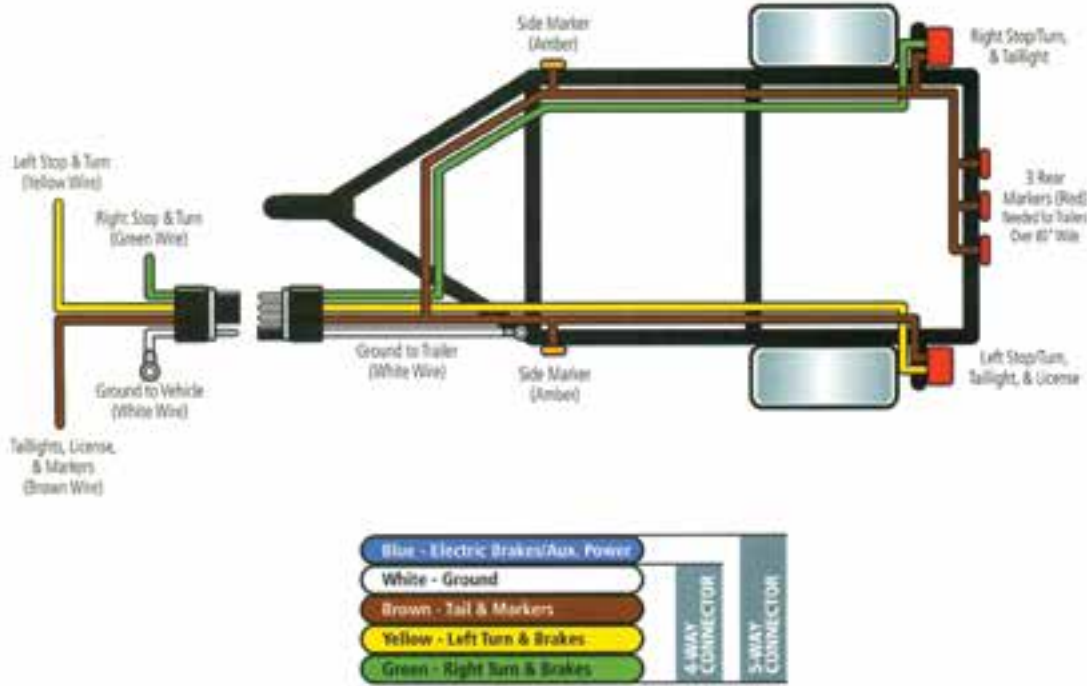
Gauge:	3/0 AWG	2/0 AWG	1/0 AWG	1 AWG	2 AWG	4 AWG	6 AWG
Length:	25Ft.	25Ft.	25Ft.	25Ft.	25Ft.	25Ft.	25Ft.
Black	27F	25F	23F	21F	22F	24F	20F
Red	37F	35F	33F	31F	32F	34F	30F
Gauge:	3/0 AWG	2/0 AWG	1/0 AWG	1 AWG	2 AWG	4 AWG	6 AWG
Length:	100Ft.	100Ft.	100Ft.	100Ft.	100Ft.	100Ft.	100Ft.
Black	27C	25C	23C	21C	22C	24C	20C
Red	37C	35C	33C	31C	32C	34C	30C

**\*\*4/0 is available upon request\*\***

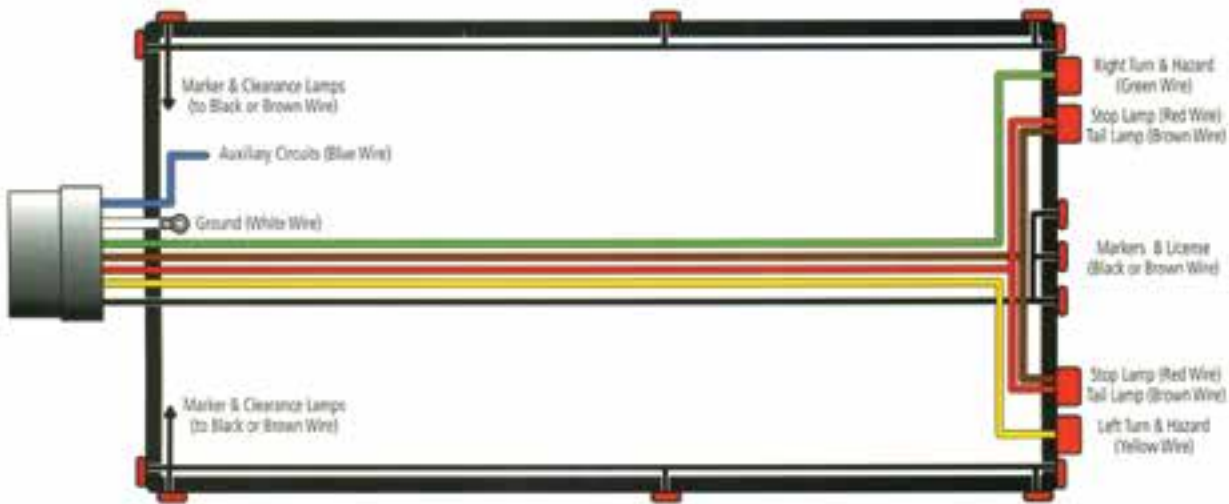
To order 500 Ft. spools put "D" after the part number - for example 27D.



Trailer Wiring Recommendations



Tractor Trailer Wiring Recommendations (RCCC & A.T.A.)



(RCCC Recommended)

White	Ground return to towing vehicle (8 AWG)
Black*	ICC required marker identification and clearance lamps (12 AWG)
Yellow	Left-hand directional and hazard signal (12 AWG)
Red	Stop lamp and anti-wheel lock devices (12 AWG)
Green	Right-hand directional and hazard signal (12 AWG)
Brown*	Tail, license and clearance lamps (12 AWG)
Blue	Auxiliary circuits (12 AWG)

\*Lamps should be balanced

(A.T.A. Recommended)

White	Ground return to towing vehicle (10 AWG)
Black	ICC required marker and clearance lamps (12 AWG)
Yellow	Left-hand directional signal (12 AWG)
Red	Stop lamp (12 AWG)
Green	Right-hand directional signal (12 AWG)
Brown	Tail, side marker and clearance lamps other than ICC Reg. (12 AWG)
Blue	Auxiliary circuits (12 AWG)

# Battery Products

Made of quality copper conductor with cast antimonial lead universal terminals. Full-gauge stranded copper is flexible for easy installation and allows maximum current for quick starting. Copper core extends to the end of the plated lug to give a one piece solid connection. Meets SAE standards. PVC insulation.

## Top Post Battery Cables - Fits up to 3/8" Stud

Auxiliary leads are 6" long. Single leads are 12 gauge. Dual leads consist of one 10 gauge and one 12 gauge wire.



No Lead

Part No.	Length	Gauge	Leads	Weight	Color	Quantity
3338F	10"	4	0	.5 lbs	Red	1
3353F	10"	4	0	.5 lbs	Black	1
3339F	12"	4	0	.5 lbs	Red	1
3354F	12"	4	0	.5 lbs	Black	1
3340F	15"	4	0	.6 lbs	Red	1
3355F	15"	4	0	.6 lbs	Black	1
3341F	20"	4	0	.6 lbs	Red	1
3356F	20"	4	0	.6 lbs	Black	1
3342F	25"	4	0	.7 lbs	Red	1
3357F	25"	4	0	.7 lbs	Black	1
3343F	27"	4	0	.7 lbs	Red	1
3358F	27"	4	0	.7 lbs	Black	1
3344F	32"	4	0	.8 lbs	Red	1
3359F	32"	4	0	.8 lbs	Black	1
3345F	34"	4	0	.9 lbs	Red	1
3360F	34"	4	0	.9 lbs	Black	1
3346F	38"	4	0	.9 lbs	Red	1
3361F	38"	4	0	.9 lbs	Black	1
3347F	43"	4	0	1 lb	Red	1
3362F	43"	4	0	1 lb	Black	1
3348F	48"	4	0	1.1 lbs	Red	1
3363F	48"	4	0	1.1 lbs	Black	1
3349F	53"	4	0	1.1 lbs	Red	1
3364F	53"	4	0	1.1 lbs	Black	1
3350F	56"	4	0	1.2 lbs	Red	1
3365F	56"	4	0	1.2 lbs	Black	1
3351F	65"	4	0	1.4 lbs	Red	1
3366F	65"	4	0	1.4 lbs	Black	1
3352F	72"	4	0	1.5 lbs	Red	1
3367F	72"	4	0	1.5 lbs	Black	1
3368F	10"	4	1	.5 lbs	Red	1
3384F	10"	4	1	.5 lbs	Black	1
3369F	12"	4	1	.5 lbs	Red	1
3385F	12"	4	1	.5 lbs	Black	1
3370F	15"	4	1	.6 lbs	Red	1
3386F	15"	4	1	.6 lbs	Black	1
3371F	20"	4	1	.6 lbs	Red	1
3387F	20"	4	1	.6 lbs	Black	1
3372F	25"	4	1	.7 lbs	Red	1
3388F	25"	4	1	.7 lbs	Black	1
3373F	27"	4	1	.8 lbs	Red	1
3389F	27"	4	1	.8 lbs	Black	1
3374F	32"	4	1	.9 lbs	Red	1
3390F	32"	4	1	.9 lbs	Black	1
3375F	34"	4	1	.9 lbs	Red	1
3391F	34"	4	1	.9 lbs	Black	1
3376F	38"	4	1	.9 lbs	Red	1
3392F	38"	4	1	.9 lbs	Black	1

**Top Post Battery Cables - Fits up to 3/8" Stud (cont)**

Part No.	Length	Gauge	Leads	Weight	Color	Quantity
3377F	43"	4	1	1 lb	Red	1
3393F	43"	4	1	1 lb	Black	1
3378F	48"	4	1	1.1 lbs	Red	1
3394F	48"	4	1	1.1 lbs	Black	1
3379F	53"	4	1	1.1 lbs	Red	1
3395F	53"	4	1	1.1 lbs	Black	1
3380F	56"	4	1	1.2 lbs	Red	1
3396F	56"	4	1	1.2 lbs	Black	1
3381F	65"	4	1	1.3 lbs	Red	1
3397F	65"	4	1	1.3 lbs	Black	1
3382F	72"	4	1	1.4 lbs	Red	1
3398F	72"	4	1	1.4 lbs	Black	1
3383F	78"	4	1	1.4 lbs	Red	1
3399F	78"	4	1	1.4 lbs	Black	1
3400F	10"	2	0	.6 lbs	Red	1
3414F	10"	2	0	.6 lbs	Black	1
3401F	15"	2	0	.7 lbs	Red	1
3415F	15"	2	0	.7 lbs	Black	1
3402F	20"	2	0	.8 lbs	Red	1
3416F	20"	2	0	.8 lbs	Black	1
3403F	23"	2	0	.8 lbs	Red	1
3417F	23"	2	0	.8 lbs	Black	1
3404F	27"	2	0	.9 lbs	Red	1
3418F	27"	2	0	.9 lbs	Black	1
3405F	32"	2	0	1 lb	Red	1
3419F	32"	2	0	1 lb	Black	1
3406F	34"	2	0	1.1 lbs	Red	1
3420F	34"	2	0	1.1 lbs	Black	1
3407F	38"	2	0	1.2 lbs	Red	1
3421F	38"	2	0	1.2 lbs	Black	1
3408F	43"	2	0	1.3 lbs	Red	1
3422F	43"	2	0	1.3 lbs	Black	1
3409F	48"	2	0	1.4 lbs	Red	1
3423F	48"	2	0	1.4 lbs	Black	1
3410F	53"	2	0	1.5 lbs	Red	1
3424F	53"	2	0	1.5 lbs	Black	1
3411F	58"	2	0	1.6 lbs	Red	1
3425F	58"	2	0	1.6 lbs	Black	1
3412F	65"	2	0	1.7 lbs	Red	1
3426F	65"	2	0	1.7 lbs	Black	1
3413F	72"	2	0	1.8 lbs	Red	1
3427F	72"	2	0	1.8 lbs	Black	1
3428F	10"	2	1	.6 lbs	Red	1
3442F	10"	2	1	.6 lbs	Black	1
3429F	15"	2	1	.7 lbs	Red	1
3443F	15"	2	1	.7 lbs	Black	1
3430F	20"	2	1	.8 lbs	Red	1
3444F	20"	2	1	.8 lbs	Black	1
3431F	25"	2	1	.8 lbs	Red	1
3445F	25"	2	1	.8 lbs	Black	1
3432F	27"	2	1	.9 lbs	Red	1
3446F	27"	2	1	.9 lbs	Black	1
3433F	32"	2	1	1 lb	Red	1
3447F	32"	2	1	1 lb	Black	1
3434F	34"	2	1	1.1 lbs	Red	1
3448F	34"	2	1	1.1 lbs	Black	1



Single Lead



# Battery Products



3290F  
Top Dual

3291F  
Top

3292F  
Side



## Top Post Battery Cables - Fits up to 3/8" Stud (cont)

Part No.	Length	Gauge	Leads	Weight	Color	Quantity
3435F	38"	2	1	1.2 lbs	Red	1
3449F	38"	2	1	1.2 lbs	Black	1
3436F	43"	2	1	1.3 lbs	Red	1
3450F	43"	2	1	1.3 lbs	Black	1
3437F	48"	2	1	1.4 lbs	Red	1
3451F	48"	2	1	1.4 lbs	Black	1
3438F	53"	2	1	1.5 lbs	Red	1
3452F	53"	2	1	1.5 lbs	Black	1
3439F	58"	2	1	1.6 lbs	Red	1
3453F	58"	2	1	1.6 lbs	Black	1
3440F	65"	2	1	1.7 lbs	Red	1
3454F	65"	2	1	1.7 lbs	Black	1
3441F	72"	2	1	1.8 lbs	Red	1
3455F	72"	2	1	1.8 lbs	Black	1

## Lawn and Garden Switch to Starter Cables - Fits up to 5/16" Stud, 6 Gauge

Part No.	Length	Stud	Weight	Color	Quantity
3295F	19"	Up to 5/16"	.3 lbs	Black	1
3296F	43"	Up to 5/16"	.8 lbs	Black	1
3297F	49"	Up to 5/16"	1 lb	Black	1

## Quick Connect Battery Cables

For fast, convenient replacement of hard to reach cables. Replaces the corroded portion, not the entire cable. Ideal for automotive, truck, farm and industrial equipment.

Part No.	Type	Gauge	Leads	Weight	Color	Quantity
3290F	Top Dual	4	1	.8 lbs	Black	1
3291F	Top	4	2	.6 lbs	Black	1
3292F	Side	4	2	.6 lbs	Black	1

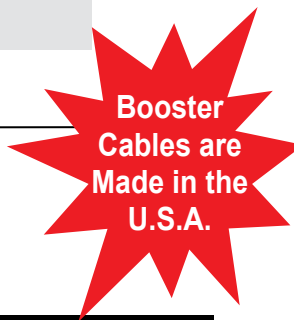
## Side Terminal Battery Cables - Fits up to 3/8" Stud

Auxiliary leads are 4" long, 12 gauge wire. Bolt included.

Part No.	Length	Gauge	Leads	Weight	Color	Quantity
3470F	20"	4	1	.6 lbs	Red	1
3480F	20"	4	1	.6 lbs	Black	1
3471F	25"	4	1	.6 lbs	Red	1
3481F	25"	4	1	.6 lbs	Black	1
3472F	30"	4	1	.7 lbs	Red	1
3482F	30"	4	1	.7 lbs	Black	1
3473F	35"	4	1	.7 lbs	Red	1
3483F	35"	4	1	.7 lbs	Black	1
3474F	40"	4	1	.8 lbs	Red	1
3484F	40"	4	1	.8 lbs	Black	1
3475F	45"	4	1	.9 lbs	Red	1
3485F	45"	4	1	.9 lbs	Black	1
3476F	50"	4	1	.9 lbs	Red	1
3486F	50"	4	1	.9 lbs	Black	1
3477F	55"	4	1	1 lb	Red	1
3487F	55"	4	1	1 lb	Black	1
3478F	65"	4	1	1.1 lbs	Red	1
3488F	65"	4	1	1.1 lbs	Black	1
3479F	78"	4	1	1.3 lbs	Red	1
3489F	78"	4	1	1.3 lbs	Black	1

## Booster Cables

- Made from 100% copper conductors
- Color-coded, tangle-free, dual cable construction
- Tough PVC insulation



### Commercial Service Booster Cables

Part#	Gauge	Length	AMP	Color	Packaging	Weight	Quantity
3557F <sup>1</sup>	4	20 Ft	500	Black/White	Retail Box	9.5 lbs	1
3558F <sup>1</sup>	4	16 Ft	500	Black/White	Retail Box	8.3 lbs	1

<sup>1</sup> Includes Storage Bag  
• English and Spanish



### Heavy Service Booster Cables

Part#	Gauge	Length	AMP	Color	Packaging	Weight	Quantity
3555F <sup>1</sup>	6	12 Ft	500	Black/Orange	Retail Box	5.5 lbs	1
3556F <sup>1</sup>	6	16 Ft	500	Black/Orange	Retail Box	6.2 lbs	1

<sup>1</sup> Includes Storage Bag  
• English and Spanish



### Medium Service Booster Cables

Part#	Gauge	Length	AMP	Color	Packaging	Weight	Quantity
3554F <sup>1</sup>	8	12 Ft	500	Black/Yellow	Retail Box	4.5 lbs	1
3553F*	8	12 Ft	200	Black/Yellow	Storage Bag	3.1 lbs	1

<sup>1</sup> Includes Storage Bag  
• English and Spanish  
\* English, French and Spanish



### Standard Service Booster Cables

Part#	Gauge	Length	AMP	Color	Packaging	Weight	Quantity
3552F*	10	12 Ft	200	Black/Black	Sleeve	2.3 lbs	1

\* English, French and Spanish



# Battery Products

65



Offset Angle



Straight



Same Side

## Switch to Starter Cables - Fits up to 3/8" Stud

Recommended for engine to ground connections.

Part No.	Length	Gauge	Leads	Weight	Color	Quantity
3500F	16"	4	0	.4 lbs	Red	1
3506F	16"	4	0	.4 lbs	Black	1
3501F	18"	4	0	.4 lbs	Red	1
3507F	18"	4	0	.4 lbs	Black	1
3502F	24"	4	0	.4 lbs	Red	1
3508F	24"	4	0	.4 lbs	Black	1
3503F	32"	4	0	.5 lbs	Red	1
3509F	32"	4	0	.5 lbs	Black	1
3504F	40"	4	0	.6 lbs	Red	1
3510F	40"	4	0	.6 lbs	Black	1
3505F	49"	4	0	.7 lbs	Red	1
3511F	49"	4	0	.7 lbs	Black	1
3512F	16"	2	0	.7 lbs	Red	1
3518F	16"	2	0	.7 lbs	Black	1
3513F	18"	2	0	.7 lbs	Red	1
3519F	18"	2	0	.7 lbs	Black	1
3514F	24"	2	0	.8 lbs	Red	1
3520F	24"	2	0	.8 lbs	Black	1
3515F	32"	2	0	.9 lbs	Red	1
3521F	32"	2	0	.9 lbs	Black	1
3516F	40"	2	0	1 lb	Red	1
3522F	40"	2	0	1 lb	Black	1
3517F	49"	2	0	1.1 lbs	Red	1
3523F	49"	2	0	1.1 lbs	Black	1

## Fleet Cables - 1/2" Stud Hole Size

Made with PVC insulated starter cable.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3570F	—	12"	2/0	1 lb	Black	1
3571F	—	24"	2/0	1.5 lbs	Black	1
3572F	—	36"	2/0	2 lbs	Black	1
3573F	—	48"	2/0	2.5 lbs	Black	1
3574F	—	60"	2/0	3 lbs	Black	1
3575F	—	72"	2/0	3.5 lbs	Black	1

## Jumper Cables

Made with welding cable. For series hook-up.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3530F	Offset Angle	8"	1	1.33 lbs	Black	1
3531F	Offset Angle	12"	1	1.5 lbs	Black	1
3532F	Straight	8"	1	1.33 lbs	Black	1
3533F	Straight	12"	1	1.5 lbs	Black	1
3534F	Same Side	8"	1	1.33 lbs	Black	1
3535F	Same Side	12"	1	1.5 lbs	Black	1
3536F	Offset Angle	8"	2/0	1.33 lbs	Black	1
3537F	Offset Angle	12"	2/0	1.5 lbs	Black	1
3538F	Offset Angle	19"	2/0	1.83 lbs	Black	1
3539F	Straight	8"	2/0	1.33 lbs	Black	1
3540F	Straight	12"	2/0	1.5 lbs	Black	1
3541F	Straight	19"	2/0	1.83 lbs	Black	1
3542F	Same Side	8"	2/0	1.33 lbs	Black	1
3543F	Same Side	12"	2/0	1.5 lbs	Black	1
3544F	Same Side	19"	2/0	1.83 lbs	Black	1

**Cup Style Charging Cable**

For group charging top post batteries.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3625F	Cup	15"	12	.31 lbs	Black	1



**Top Stud Stackable Battery Cables**

Made with welding cable. For group 31 stud batteries. Fits up to 3/8" stud.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3550F	—	7"	2/0	.5 lbs	Black	1
3551F	—	13"	2/0	.67 lbs	Black	1
3548F	—	9"	2/0	.5 lbs	Black	1
3549F	—	15"	2/0	.67 lbs	Black	1



**Harness Assemblies**

3560F & 3561F include 3 hex serrated flange nuts & 1 charging post for 3/8" stud type battery.  
 3562F & 3563F include 4 hex serrated flange nuts & 1 charging post for 3/8" stud type battery.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3560F	Two Battery	7"	2/0	1 lb	Red	1
3561F	Two Battery	7"	2/0	1 lb	Black	1
3562F	Three Battery	14"	2/0	2 lbs	Red	1
3563F	Three Battery	14"	2/0	2 lbs	Black	1

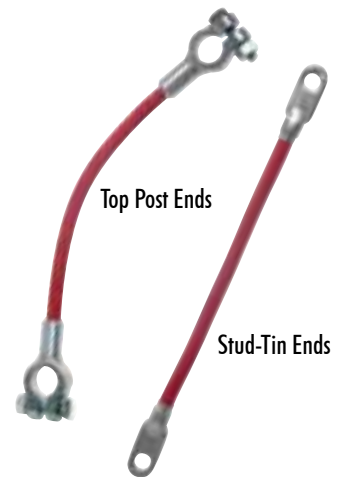


Two Battery

**Golf Cart Jumper Cables**

**Top Post Ends** - for series hook-up. **Stud-Tin Ends** - Lugs are tin-plated copper, 11/32" stud hole size.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3630F	Top Post Ends	9"	6	.6 lbs	Black	1
3638F	Top Post Ends	9"	6	.6 lbs	Red	1
3631F	Top Post Ends	12"	6	.7 lbs	Black	1
3639F	Top Post Ends	12"	6	.7 lbs	Red	1
3635F	Stud-Tin Ends	9"	6	.1 lb	Black	1
3643F	Stud-Tin Ends	9"	6	.1 lb	Red	1
3636F	Stud-Tin Ends	12"	6	.2 lbs	Black	1
3644F	Stud-Tin Ends	12"	6	.2 lbs	Red	1
3637F	Stud-Tin Ends	20"	6	.2 lbs	Black	1
3645F	Stud-Tin Ends	20"	6	.2 lbs	Red	1



Top Post Ends

Stud-Tin Ends

**Ground Straps - Fits up to 3/8" Stud**

Tin-plated copper braid.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3600F	—	7"	2	.5 lbs	—	1
3601F	—	9"	2	.5 lbs	—	1
3602F	—	11"	2	.6 lbs	—	1
3603F	—	14"	2	.6 lbs	—	1
3604F	—	16"	2	.7 lbs	—	1
3605F	—	19"	2	.7 lbs	—	1
3606F	—	24"	2	.8 lbs	—	1
3607F	—	27"	2	.9 lbs	—	1
3608F	—	7"	4	.5 lbs	—	1
3609F	—	9"	4	.5 lbs	—	1
3610F	—	11"	4	.6 lbs	—	1
3611F	—	14"	4	.6 lbs	—	1
3612F	—	16"	4	.7 lbs	—	1
3613F	—	19"	4	.7 lbs	—	1
3614F	—	24"	4	.8 lbs	—	1
3615F	—	27"	4	.9 lbs	—	1



# Battery Products

## Bonding Straps - Fits up to 3/8" Stud

Tin-plated copper braid.

Part No.	Style	Length	Gauge	Weight	Color	Quantity
3620F	—	8"	4	.2 lbs	—	1
3621F	—	12"	4	.2 lbs	—	1

## Lead Battery Terminals

- Fits positive or negative posts
- Bolts lock firmly from left to right side
- Lead alloy
- Threaded clamp avoids pull-out
- Steel inserts avoid stripping
- Universal - Holds cable or strap
- Removable plate for easy assembly

## Heavy-Duty Top Post Terminals - Fits 6 to 1 Gauge

Part No.	Type	Weight	Color	Quantity
3700F	Universal	.58 lbs	—	2
3700	Universal	2.7 lbs	—	10
3701F	Positive/Negative	.6 lbs	Red/Black Epoxy	1 Set
3701-1F	Negative	.35 lbs	Black Epoxy	1
3701-1	Negative	3.5 lbs	Black Epoxy	10
3701-2F	Positive	.35 lbs	Red Epoxy	1
3701-2	Positive	3.5 lbs	Red Epoxy	10

## 3-Way Top Post Terminals - Fits 6 to 1 Gauge

Part No.	Type	Weight	Color	Quantity
3702-1F	Negative	.44 lbs	—	1
3702-1	Negative	4.4 lbs	—	10
3702-2F	Positive	.44 lbs	—	1
3702-2	Positive	4.4 lbs	—	10
3702F	Positive/Negative	.88 lbs	—	1 Set

## Heavy-Duty Commercial Top Post Terminals - Fits 2 to 4/0 Gauge

Part No.	Type	Weight	Color	Quantity
3703F	Universal	1.2 lbs	—	1
3703	Universal	6 lbs	—	10

## Heavy-Duty Replacement Side Terminal - Fits 6 to 1 Gauge

Comes with 3/8" bolt. Replaces corroded O.E. terminals or convert conventional terminals to side terminals. Protruding ring assures positive contact and recessed circle affords exact positioning.

Part No.	Type	Weight	Color	Quantity
3710F	Universal	.58 lbs	—	2
3710	Universal	2.3 lbs	—	8

## Side Terminal Adapters

Covers post terminal battery for use with side terminal cables.

Part No.	Type	Weight	Color	Quantity
3730F	Positive/Negative	.91 lbs	—	1 Set
3730-1F	Negative	.45 lbs	—	1
3730-1	Negative	4.5 lbs	—	10
3730-2F	Positive	.45 lbs	—	1
3730-2	Positive	4.5 lbs	—	10





**Ordnance Bolt Type Terminals**

Polarity specific. Lead construction. Long bolt allows for additional power connection.

Part No.	Type	Weight	Quantity
3750F	Universal	1.04 lbs	2
3750	Universal	5.2 lbs	10
3751F	Positive/Negative	1.04 lbs	1 Set
3751-1F	Negative	.52 lbs	1
3751-1	Negative	5.2 lbs	10
3751-2F	Positive	.52 lbs	1
3751-2	Positive	5.2 lbs	10



**Post to Threaded Connector Conversion Terminal - 3/8" Stud**

Change a post type battery to a 3/8" stud type battery. Can be used with OE nut. Wing nut or hex nut can be used if clearance is a problem.

Part No.	Type	Weight	Quantity
3755F	Universal	.88 lbs	2
3755	Universal	4.4 lbs	10



**Quick Connect Battery Terminal**

Designed for top post batteries. For use in passenger cars, light duty trucks, farm equipment, marine, RVs and ATVs. The cable easily detaches from the battery for anti-theft protection. Disconnecting also helps prevent electrical drain. Fits both positive and negative posts.

Part No.	Type	Weight	Quantity
3740F	Universal	.6 lbs	1
3740	Universal	6 lbs	10



**Wing Nut Terminals**

Ideal for marine application. Clamp type wing nut terminal converts standard post battery to marine or other special uses. Epoxy coating aids in polarity identification & corrosion resistance.

Part No.	Stud Size	Color/Type	Weight	Quantity
3720F	5/16"	Universal	.72 lbs	2
3720	5/16"	Universal	3.6 lbs	10
3721F	3/8" Pos, 5/16" Neg	Positive/Negative	.72 lbs	1 Set
3721-1F	5/16"	Negative	.36 lbs	1
3721-1	5/16"	Negative	3.6 lbs	10
3721-2F	3/8"	Positive	.36 lbs	1
3721-2	3/8"	Positive	3.6 lbs	10
3723F	3/8" Pos, 5/16" Neg	Red/Black Epoxy	.8 lbs	1 Set
3723-1F	5/16"	Black Epoxy	.4 lbs	1
3723-1	5/16"	Black Epoxy	4 lbs	10
3723-2F	3/8"	Red Epoxy	.4 lbs	1
3723-2	3/8"	Red Epoxy	4 lbs	10



# Battery Products

## Copper Die Cast Battery Terminals

- Tin-plated to resist corrosion
- Copper die casting
- Gauge and polarity stamped on terminal
- Thicker wall for stronger crimp
- Tin-plated bolt and shoulder nut included



### Straight Terminals

Part No.	Type	Gauge	Weight	Quantity
3800F	Universal	4	.1 lb	1
3800	Universal	4	1 lb	10
3801F	Positive	4	.1 lb	1
3801	Positive	4	1 lb	10
3802F	Negative	4	.1 lb	1
3802	Negative	4	1 lb	10
3803F	Positive	1	.2 lbs	1
3803	Positive	1	2 lbs	10
3804F	Negative	1	.2 lbs	1
3804	Negative	1	2 lbs	10
3805F	Positive	1/0	.2 lbs	1
3805	Positive	1/0	2 lbs	10
3806F	Negative	1/0	.2 lbs	1
3806	Negative	1/0	2 lbs	10
3807F	Positive	2/0	.2 lbs	1
3807	Positive	2/0	2 lbs	10
3808F	Negative	2/0	.2 lbs	1
3808	Negative	2/0	2 lbs	10
3809F	Positive	3/0	.2 lbs	1
3809	Positive	3/0	2 lbs	10
3810F	Negative	3/0	.2 lbs	1
3810	Negative	3/0	2 lbs	10
3811F	Positive	4/0	.25 lbs	1
3811	Positive	4/0	2 lbs	8
3812F	Negative	4/0	.25 lbs	1
3812	Negative	4/0	2 lbs	8

### Flag Terminals

Part No.	Type	Gauge	Weight	Quantity
3820F	Positive	1/0	.25 lbs	1
3820	Positive	1/0	2 lbs	8
3821F	Negative	1/0	.25 lbs	1
3821	Negative	1/0	2 lbs	8
3822F	Positive	2/0	.38 lbs	1
3822	Positive	2/0	3 lbs	8
3823F	Negative	2/0	.38 lbs	1
3823	Negative	2/0	3 lbs	8
3824F	Positive	3/0	.38 lbs	1
3824	Positive	3/0	3 lbs	8
3825F	Negative	3/0	.38 lbs	1
3825	Negative	3/0	3 lbs	8
3826F	Positive	4/0	.38 lbs	1
3826	Positive	4/0	3 lbs	8
3827F	Negative	4/0	.38 lbs	1
3827	Negative	4/0	3 lbs	8



<b>Right Elbow Terminals</b>				
Part No.	Type	Gauge	Weight	Quantity
3830F	Positive	1/0	.2 lbs	1
3830	Positive	1/0	2 lbs	10
3831F	Negative	1/0	.2 lbs	1
3831	Negative	1/0	2 lbs	10
3832F	Positive	2/0	.2 lbs	1
3832	Positive	2/0	2 lbs	10
3833F	Negative	2/0	.2 lbs	1
3833	Negative	2/0	2 lbs	10
3834F	Positive	3/0	.2 lbs	1
3834	Positive	3/0	2 lbs	10
3835F	Negative	3/0	.2 lbs	1
3835	Negative	3/0	2 lbs	10
3836F	Positive	4/0	.25 lbs	1
3836	Positive	4/0	2 lbs	8
3837F	Negative	4/0	.25 lbs	1
3837	Negative	4/0	2 lbs	8



<b>Left Elbow Terminals</b>				
Part No.	Type	Gauge	Weight	Quantity
3840F	Positive	1/0	.2 lbs	1
3840	Positive	1/0	2 lbs	10
3841F	Negative	1/0	.2 lbs	1
3841	Negative	1/0	2 lbs	10
3842F	Positive	2/0	.2 lbs	1
3842	Positive	2/0	2 lbs	10
3843F	Negative	2/0	.2 lbs	1
3843	Negative	2/0	2 lbs	10
3844F	Positive	3/0	.2 lbs	1
3844	Positive	3/0	2 lbs	10
3845F	Negative	3/0	.2 lbs	1
3845	Negative	3/0	2 lbs	10
3846F	Positive	4/0	.25 lbs	1
3846	Positive	4/0	2 lbs	8
3847F	Negative	4/0	.25 lbs	1
3847	Negative	4/0	2 lbs	8



**Splices**

Tin-plated copper. Copper die casting. Thicker wall for stronger crimp. Resists corrosion.

Part No.	Type	Gauge	Weight	Quantity
3870F	Splice	1/0	.1 lb	1
3870	Splice	1/0	1 lb	10
3871F	Splice	2/0	.1 lb	1
3871	Splice	2/0	1 lb	10
3872F	Splice	3/0	.1 lb	1
3872	Splice	3/0	1 lb	10
3873F	Splice	4/0	.1 lb	1
3873	Splice	4/0	1 lb	10



**3/8" Stud Top/Side Mount Terminal**

Tin-plated copper. Copper die casting. Thicker wall for stronger crimp. Resists corrosion.

Part No.	Type	Gauge	Weight	Quantity
3880F	Universal/Single	2/0	.1 lb	1
3880	Universal/Single	2/0	1 lb	10
3881F	Universal/Dual	2/0	.2 lbs	1
3881	Universal/Dual	2/0	2 lbs	10



# Battery Products

## Brass Terminals

Excellent for marine applications because they are corrosion resistant. Positive terminal stud size is 3/8".

Part No.	Stud Size	Type	Weight	Quantity
3708F	5/16"	Universal	.2 lbs	1
3708	5/16"	Universal	2 lbs	10
3725F	3/8" & 5/16"	Positive/Negative	.8 lbs	1 Set
3725	3/8" & 5/16"	Positive/Negative	8 lbs	10 Sets

## Lead Free Quick Clamp™ Terminal

Tin-plated brass terminal. Allows easy, tool-free detachment from battery. All hardware (nuts & washer) is included.

Part No.	Stud Size	Type	Weight	Quantity
3773F	5/16"	1 Positive/1 Negative	.42 lbs	1 Set

Kit includes: 4 copper lugs, 1 positive & 1 negative Quick Clamp Terminal.

## Battery Terminal Accessories

### Replacement Side Terminal Bolt

UNC is a course-threaded bolt. For use with JT&T replacement side terminals.

Part No.	Thread Size	Weight	Quantity
3711F	3/8"- 16 UNC	.08 lbs	2
3711	3/8"- 16 UNC	.4 lbs	10
3711P	3/8"- 16 UNC	1 lb	25

### Side Terminal Charging Posts

Charging post sets — one positive, one negative — greatly facilitate charging of side terminal batteries. Posts have 3/8" threaded stud to screw into side terminal batteries for easy charging with conventional charging equipment. **Not intended for side terminal to post conversion.**

Part No.	Type	Thread Size	Weight	Quantity
3745F	Positive/Negative	3/8"	.4 lbs	1 Set
3745-1F	Negative	3/8"	.2 lbs	1
3745-1	Negative	3/8"	2 lbs	10
3745-2F	Positive	3/8"	.2 lbs	1
3745-2	Positive	3/8"	2 lbs	10

### Charging Posts with Ears | 3/8" Threaded Stud

Easy, finger tight installation. Facilitate charging and testing of side terminal batteries. Posts have 3/8" threaded stud to screw into side terminal batteries.

Part No.	Type	Weight	Quantity
3746F	Side	.3 lbs	2
3746	Side	1.5 lbs	10

### Garden Tractor Bolt w/ Nut

Battery replacement hex head bolt and nut for utility and garden tractors. Zinc-plated. Fits group U1 Batteries.

Part No.	Bolt Size	Hex Nut	Weight	Quantity
3760F	1/4"-20 x 3/4"	1/4"-20	.1 lb	2 Sets
3760	1/4"-20 x 3/4"	1/4"-20	1 lb	10 Sets

### Battery Bolt w/ Shoulder Nut

Part No.	Bolt Size	Hex Nut	Weight	Quantity
3761F	5/16"-18 x 1-1/4"	5/16"-18	.1 lb	2 Sets
3761	5/16"-18 x 1-1/4"	5/16"-18	1 lb	10 Sets



**OE Replacement Side Terminal Bolts**

Use long bolt and spacer for dual cable hook-up. Bolt head 5/16".

Part No.	Type	Thread Size	Weight	Quantity
3762F	Short	3/8"-16 UNC	.06 lbs	1
3762	Short	3/8"-16 UNC	.6 lbs	10
3763F	Long, 1.685"	3/8"-16 UNC	.1 lb	1
3763	Long, 1.685"	3/8"-16 UNC	1 lb	10

**Lead Free Terminals**

Part No.	Stud Size	Weight	Quantity
3705F	5/16"	.4 lbs	2 Sets
3705	5/16"	2 lbs	10 Sets

Each set comes with two lugs to fit 5/16" studs.

**Lead Spacer for Side Terminal Bolt**

Part No.	Size	Weight	Quantity
3712F	3/8"	.2 lbs	2
3712	3/8"	.8 lbs	10
3712P	3/8"	2 lbs	25

**Universal Side Terminal Conversion Post**

Extends above the battery to convert side terminal battery to post terminal. For use with post terminal battery cables or for group charging.

Part No.	Type	Weight	Quantity
3756F	Universal	.64 lbs	2
3756	Universal	3.2 lbs	10

**Group 31 or Stud Style Conversion Post**

Converts 3/8" stud type terminals to standard post type terminals. Used as an adapter for group hook-up batteries or to convert stud type commercial batteries for use with post type battery cables.

Part No.	Type	Stud	Weight	Quantity
3757F	Universal	3/8"	.3 lbs	2
3757	Universal	3/8"	1.5 lbs	10

**Flag to Post Terminal Adapter**

Designed to easily convert most Group U1 flag terminal batteries to post terminal applications where required.

Part No.	Size	Weight	Quantity
3758F	—	.4 lbs	2
3758	—	2 lbs	10

**Group 31 Nuts**

Closed top is made of stainless steel sintered metal and has 3/8"-16 UNC thread and 9/16" hex head. Open top is made of stainless steel and has 9/16" hex head.

Part No.	Type	Thread Size	Hex Head	Weight	Quantity
3890F	Closed Top	3/8"-16 UNC	9/16"	.2 lbs	2
3890	Closed Top	3/8"-16 UNC	9/16"	1 lb	10
3891F	Open Top	—	9/16"	.2 lbs	2
3891	Open Top	—	9/16"	1 lb	10

**Brass Bolt Extenders**

For adding direct to battery auxiliary connections.

Part No.	Type	Thread Size	Weight	Quantity
3770F	1-3/4" Short Side	3/8"-16 UNC	.1 lb	1
3770	1-3/4" Short Side	3/8"-16 UNC	1 lb	10
3771F	1-13/16" Long Side	3/8"-16 UNC	.4 lbs	1
3771	1-13/16" Long Side	3/8"-16 UNC	4 lbs	10
3772F	1-7/16" Top Post	5/16"-18 UNC	.4 lbs	1
3772	1-7/16" Top Post	5/16"-18 UNC	4 lbs	10



Long

Short



3705

3712



Closed Top

Open Top



Long Side



Short Side



Top Post



# Battery Products

- Lugs can be crimped or soldered and are stackable.
- Gauge stamped on lug for quick identification.



## H.D. Seamless Copper Lugs with Flared Ends

Part No.	Gauge	Stud Size	Quantity
1300F	8	10	5
1300FPB	8	10	10
1300P	8	10	25
1300C	8	10	100
1344F	8	1/4"	5
1344FPB	8	1/4"	10
1344P	8	1/4"	25
1344C	8	1/4"	100
1345F	8	5/16"	5
1345FPB	8	5/16"	10
1345P	8	5/16"	25
1345C	8	5/16"	100
1346F	8	3/8"	5
1346FPB	8	3/8"	10
1346P	8	3/8"	25
1346C	8	3/8"	100
1347F	8	1/2"	5
1347FPB	8	1/2"	10
1347P	8	1/2"	25
1347C	8	1/2"	100
1301F	6	10	5
1301FPB	6	10	10
1301P	6	10	25
1301C	6	10	100
1303F	6	1/4"	5
1303FPB	6	1/4"	10
1303P	6	1/4"	25
1303C	6	1/4"	100
1302F	6	5/16"	5
1302FPB	6	5/16"	10
1302P	6	5/16"	25
1302C	6	5/16"	100
1305F	6	3/8"	5
1305FPB	6	3/8"	10
1305P	6	3/8"	25
1305C	6	3/8"	100
1306F	6	1/2"	5
1306FPB	6	1/2"	10
1306P	6	1/2"	25
1306C	6	1/2"	100
1307F	4	1/4"	5
1307FPB	4	1/4"	10
1307P	4	1/4"	25
1307C	4	1/4"	100
1308F	4	5/16"	5
1308FPB	4	5/16"	10
1308P	4	5/16"	25
1308C	4	5/16"	100
1309F	4	3/8"	5
1309FPB	4	3/8"	10
1309P	4	3/8"	25
1309C	4	3/8"	100

## H.D. Seamless Copper Lugs with Flared Ends (cont)

Part No.	Gauge	Stud Size	Quantity
1310F	4	1/2"	5
1310FPB	4	1/2"	10
1310P	4	1/2"	25
1310C	4	1/2"	100
1312F	2	1/4"	5
1312FPB	2	1/4"	10
1312P	2	1/4"	25
1312C	2	1/4"	100
1313F	2	5/16"	5
1313FPB	2	5/16"	10
1313P	2	5/16"	25
1313C	2	5/16"	100
1314F	2	3/8"	5
1314FPB	2	3/8"	10
1314P	2	3/8"	25
1314C	2	3/8"	100
1315F	2	1/2"	5
1315FPB	2	1/2"	10
1315P	2	1/2"	25
1315C	2	1/2"	100
1318F	1	1/4"	5
1318FPB	1	1/4"	10
1318P	1	1/4"	25
1318C	1	1/4"	100
1316F	1	5/16"	5
1316FPB	1	5/16"	10
1316P	1	5/16"	25
1316C	1	5/16"	100
1319F	1	3/8"	5
1319FPB	1	3/8"	10
1319P	1	3/8"	25
1319C	1	3/8"	100
1320F	1	1/2"	5
1320FPB	1	1/2"	10
1320P	1	1/2"	25
1320C	1	1/2"	100
1322F	1/0	1/4"	5
1322FPB	1/0	1/4"	10
1322P	1/0	1/4"	25
1322C	1/0	1/4"	100
1323F	1/0	5/16"	5
1323FPB	1/0	5/16"	10
1323P	1/0	5/16"	25
1323C	1/0	5/16"	100
1324F	1/0	3/8"	5
1324FPB	1/0	3/8"	10
1324P	1/0	3/8"	25
1324C	1/0	3/8"	100
1325F	1/0	1/2"	5
1325FPB	1/0	1/2"	10
1325P	1/0	1/2"	25
1325C	1/0	1/2"	100
1328F	2/0	1/4"	5
1328FPB	2/0	1/4"	10
1328P	2/0	1/4"	25
1328C	2/0	1/4"	100



# Battery Products



## H.D. Seamless Copper Lugs with Flared Ends (cont)

Part No.	Gauge	Stud Size	Pack
1329F	2/0	5/16"	5
1329FPB	2/0	5/16"	10
1329P	2/0	5/16"	25
1329C	2/0	5/16"	100
1330F	2/0	3/8"	5
1330FPB	2/0	3/8"	10
1330P	2/0	3/8"	25
1330C	2/0	3/8"	100
1331F	2/0	1/2"	5
1331FPB	2/0	1/2"	10
1331P	2/0	1/2"	25
1331C	2/0	1/2"	100
1336F	3/0	3/8"	5
1336FPB	3/0	3/8"	10
1336P	3/0	3/8"	25
1336C	3/0	3/8"	100
1337F	3/0	1/2"	5
1337FPB	3/0	1/2"	10
1337P	3/0	1/2"	25
1337C	3/0	1/2"	100
1342F	4/0	3/8"	5
1342FPB	4/0	3/8"	10
1342P	4/0	3/8"	25
1342C	4/0	3/8"	100
1343F	4/0	1/2"	5
1343FPB	4/0	1/2"	10
1343P	4/0	1/2"	25
1343C	4/0	1/2"	100

## Terminal Protectors

### Terminal Protectors Help Prevent:

- Terminals accidentally coming in contact with each other.
- Power robbing corrosion build up that inhibits cranking power.
- Loss of charge due to electrical leakage, extending the lives of batteries, terminals and hold downs.
- Unnecessary water loss from overcharging.
- Unnecessary fuel consumption by eliminating the energy wasted by overcharging.
- Installation hassles. No special tools are required.

### Battery Cable Terminal Protector Boots | Top Post

Temperature rating 80° C (176° F). Meets V-2 UL 94 standards. Identifies polarity.



Straight

Part No.	Type	Gauge	Weight	Color	Quantity
3900F	Straight	4-6	.2 lbs	Black/Red	1 Set
3900	Straight	4-6	1 lb	Black/Red	5 Sets
3900-1F	Straight	4-6	.1 lb	Black	1
3900-1	Straight	4-6	1 lb	Black	10
3900-2F	Straight	4-6	.1 lb	Red	1
3900-2	Straight	4-6	1 lb	Red	10

**Battery Cable Terminal Protector Boots | Top Post (cont)**

Part No.	Type	Gauge	Weight	Color	Quantity
3901F	Straight	1-2	.2 lbs	Black/Red	1 Set
3901	Straight	1-2	1 lb	Black/Red	5 Sets
3901-1F	Straight	1-2	.1 lb	Black	1
3901-1	Straight	1-2	1 lb	Black	10
3901-2F	Straight	1-2	.1 lb	Red	1
3901-2	Straight	1-2	1 lb	Red	10
3902F	Straight	1/0-2/0	.2 lbs	Black/Red	1 Set
3902	Straight	1/0-2/0	1 lb	Black/Red	5 Sets
3902-1F	Straight	1/0-2/0	.1 lb	Black	1
3902-1	Straight	1/0-2/0	1 lb	Black	10
3902-2F	Straight	1/0-2/0	.1 lb	Red	1
3902-2	Straight	1/0-2/0	1 lb	Red	10
3903F	Flag	2	.2 lbs	Black/Red	1 Set
3903	Flag	2	1 lb	Black/Red	5 Sets
3903-1F	Flag	2	.1 lb	Black	1
3903-1	Flag	2	1 lb	Black	10
3903-2F	Flag	2	.1 lb	Red	1
3903-2	Flag	2	1 lb	Red	10
3904F	Flag	2/0	.2 lbs	Black/Red	1 Set
3904	Flag	2/0	1 lb	Black/Red	5 Sets
3904-1F	Flag	2/0	.1 lb	Black	1
3904-1	Flag	2/0	1 lb	Black	10
3904-2F	Flag	2/0	.1 lb	Red	1
3904-2	Flag	2/0	1 lb	Red	10
3905F	Right Elbow	2	.2 lbs	Black/Red	1 Set
3905	Right Elbow	2	1 lb	Black/Red	5 Sets
3905-1F	Right Elbow	2	.1 lb	Black	1
3905-1	Right Elbow	2	1 lb	Black	10
3905-2F	Right Elbow	2	.1 lb	Red	1
3905-2	Right Elbow	2	1 lb	Red	10
3906F	Right Elbow	2/0	.2 lbs	Black/Red	1 Set
3906	Right Elbow	2/0	1 lb	Black/Red	5 Sets
3906-1F	Right Elbow	2/0	.1 lb	Black	1
3906-1	Right Elbow	2/0	1 lb	Black	10
3906-2F	Right Elbow	2/0	.1 lb	Red	1
3906-2	Right Elbow	2/0	1 lb	Red	10
3907F	Left Elbow	2	.2 lbs	Black/Red	1 Set
3907	Left Elbow	2	1 lb	Black/Red	5 Sets
3907-1F	Left Elbow	2	.1 lb	Black	1
3907-1	Left Elbow	2	1 lb	Black	10
3907-2F	Left Elbow	2	.1 lb	Red	1
3907-2	Left Elbow	2	1 lb	Red	10
3908F	Left Elbow	2/0	.2 lbs	Black/Red	1 Set
3908	Left Elbow	2/0	1 lb	Black/Red	5 Sets
3908-1F	Left Elbow	2/0	.1 lb	Black	1
3908-1	Left Elbow	2/0	1 lb	Black	10
3908-2F	Left Elbow	2/0	.1 lb	Red	1
3908-2	Left Elbow	2/0	1 lb	Red	10



**Straight**



**Flag**



**Right Elbow**



**Left Elbow**

# Battery Products



Left and Right Elbow

## Lawn and Garden Terminal Protector Boots

Part No.	Type	Gauge	Weight	Color	Quantity
3909F	Right Elbow	4-8	.2 lbs	Black/Red	1 Set
3909	Right Elbow	4-8	1 lb	Black/Red	5 Sets
3909-1F	Right Elbow	4-8	.1 lb	Black	1
3909-1	Right Elbow	4-8	1 lb	Black	10
3909-2F	Right Elbow	4-8	.1 lb	Red	1
3909-2	Right Elbow	4-8	1 lb	Red	10
3910F	Left Elbow	4-8	.2 lbs	Black/ Red	1 Set
3910	Left Elbow	4-8	1 lb	Black/ Red	5 Sets
3910-1F	Left Elbow	4-8	.1 lb	Black	1
3910-1	Left Elbow	4-8	1 lb	Black	10
3910-2F	Left Elbow	4-8	.1 lb	Red	1
3910-2	Left Elbow	4-8	1 lb	Red	10



## Marine Terminal Protector Boots

Part No.	Type	Gauge	Weight	Color	Quantity
3911F	Dual Post	—	.2 lbs	Black/Red	1 Set
3911	Dual Post	—	1 lb	Black/Red	5 Sets
3911-1F	Dual Post	—	.1 lb	Black	1
3911-1	Dual Post	—	1 lb	Black	10
3911-2F	Dual Post	—	.1 lb	Red	1
3911-2	Dual Post	—	1 lb	Red	10

## Top Post and Side Post Terminal Protectors

Terminal protectors extend the life of batteries and terminals. They help prevent corrosion.

Part No.	Type	Weight	Color	Quantity
3930F	Top/Side Combo	.04 lbs	Black/Red	1 Set
3930	Top/Side Combo	1 lb	Black/Red	25 Sets
3931F	Top	5 lbs	Black	100
3933F	Side	5 lbs	Black	100
3934F	Marine 3/8"	5 lbs	Black	100
3935F	Golf Car 5/16"	5 lbs	Black	100
3936F	Premium Top/Side Combo	.09 lbs	Black/Red	1 Set

## Battery Terminal Protection Spray

Resists battery corrosion and prolongs battery life. Lead free formula.

Part No.	Size	Weight	Quantity
3940F	10 oz	1 lb	1
3941F	3/4 oz	.17 lbs	1

## Battery Cleaner Spray

Penetrates, loosens and neutralizes all acid corrosion deposits. Helps eliminate energy loss with regular maintenance.

Part No.	Size	Weight	Quantity
3942F	15 oz	1.25 lbs	1
3943F	1-1/8 oz	.17 lbs	1



Premium Top & Side



3940F



3941F



3942F



3943F



**Universal Type Battery Hold-Downs**

Part No.	Description	Weight	Quantity
3950F	GM Base Mount	.5 lbs	1 Set
3951F	6-7/8" Cross-Bar	.5 lbs	1
3952F	5-1/8" x 7-5/8" Cross-Bar	.2 lbs	1
3953F	6-7/8" Adjustable Mount Cross-Bar	.8 lbs	1 Set
3954F	10-1/4" x 6-7/8" Perimeter	.6 lbs	1



**Battery Hold-Down Bolts, Washers and Nuts**

Heavy tempered steel bolts. Wing nuts for quick, easy assembly. Washers are included.

Part No.	Type	Size	Weight	Quantity
3960F	J	6" x 1/4"	.3 lbs	1 Kit (6 pcs)
3961F	J	8" x 1/4"	.3 lbs	1 Kit (6 pcs)
3962F	J	10" x 1/4"	.4 lbs	1 Kit (6 pcs)
3963F	L	10" x 1/4"	.4 lbs	1 Kit (6 pcs)
3964F	J	12" x 1/4"	.6 lbs	1 Kit (6 pcs)
3965F	Heavy-Duty-J	12" x 5/16"	.6 lbs	1 Kit (6 pcs)
3955F	J	6-7/8" Rubber Hold Down Kit	.7 lbs	1 Kit (5 pcs)



J-Type



L-Type



J-Type (3955F)

**Safety Grip Hold-Downs for 6 & 12 Volt Applications**

Part No.	Size	Group Size App	Weight	Quantity
3970F	6-7/8" x 10-7/8"	24/24F	1 lb	1
3971F	6-7/8" x 12-1/8"	27	1 lb	1
3972F	5-1/4" x 7-7/8"	U1	1 lb	1
* 3973F	6-3/4" x 13-5/8"	30	1 lb	1
3974F	8-7/8" x 20-7/8"	4D	2 lbs	1
3975F	7-1/8" x 13-1/4"	4	3 lbs	1
3976F	6-7/8" x 13-1/8"	31	1 lb	1
3977F	13-3/4" x 13-1/8"	31 (for two group 31 batteries)	2 lbs	1

\*3973F NOTE: Clip is welded on. Non-adjustable.



**Universal Battery Tray**

Made with durable rust and corrosion resistant polypropylene.

Part No.	Size	Group Size	Weight	Quantity
3980F	11-1/2" x 8-1/2"	24	.6 lbs	1
3981F	14" x 7-7/8"	27/31	.8 lbs	1



**Battery Boxes**

Low profile polypropylene boxes protect battery for longer life and safer operation in marine and commercial applications. Vented for safety. Includes all hardware for installation.

Part No.	Outside Dimensions (L x W x H)	Inside Dimensions (L x W x H)	Group Size	Weight	Quantity
3982F	14-5/16" x 9-3/4" x 10-3/4"	10-5/8" x 7-3/16" x 9-3/4"	Marine 24	2 lbs	1
* 3983F	17" x 9-3/4" x 11"	13-1/2" x 7-1/8" x 10"	Marine 27/31	2.5 lbs	1
3984F	10-1/2" x 7-1/4" x 8-1/2"	8-1/4" x 5-3/8" x 8-1/8"	U1	1.34 lbs	1

\*3983F NOTE: Includes spacer.



# Battery Products

## Battery Tools and Accessories

### Safety Grip Battery Lifters for Post Terminal Batteries

Heavy-Duty, acid resistant vinyl carrier straps have plated metal parts to resist rust and corrosion.

Part No.	Size	Weight	Quantity
5025F	14"	.3 lbs	1
5026F	21"	.3 lbs	1

### Sure Grip Battery Carrier

Saw tooth gripping arm grasps tightly on all surfaces. Heavy-Duty construction resists acid.

Part No.	Size	Weight	Quantity
5028F	—	.67 lbs	1

### Battery Post and Terminal Cleaner

Cleans SAE top posts and matching cable connections.

Part No.	Size	Weight	Quantity
5029F	—	.2 lbs	1

### Battery Terminal Spreader

Part No.	Size	Weight	Quantity
5030F	—	.7 lbs	1

### Post Terminal Lifter

Part No.	Size	Weight	Quantity
5031F	—	.5 lbs	1

### Angled Nose Pliers

Part No.	Size	Weight	Quantity
5032F	—	.5 lbs	1

### Locking Anti-Rotating Stackable Lugs (Tin-Plated Copper)

Part No.	Gauge	Stud Size	Weight	Quantity
3774F	1/0	3/8"	.3 lbs	3
3774	1/0	3/8"	1 lb	10
3775F	2/0	3/8"	.3 lbs	3
3775	2/0	3/8"	1 lb	10
3776F	3/0	3/8"	.3 lbs	3
3776	3/0	3/8"	1 lb	10

### Lead Shims

Helps re-build battery posts & cable clamp connections.

Part No.	Type	Weight	Quantity
3706F	Universal	.08 lbs	2
3706	Universal	.4 lbs	10
3706P	Universal	1 lb	25

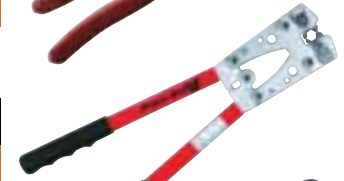


3774F 3775F 3776F



### Battery Combo Terminal Wrench

Suitable for OE top (10mm) and 5/16" side terminal bolts.



Part No.	Size	Weight	Quantity
5033F	—	.3 lbs	1

### 3-Way Cleaning and Cutting Tool

Part No.	Size	Weight	Quantity
5034F	—	.5 lbs	1

### 10-4/0 Gauge Cable Stripping Tool

Part No.	Size	Weight	Quantity
5035F	—	1 lb	1

### 24-10 Gauge Cable Stripping and Cutting Tool

Part No.	Size	Weight	Quantity
5036F	—	1 lb	1

### 4/0 Gauge Cable Cutter

Heavy-Duty wire cutter with cushion grips. Cuts up to 4/0 gauge.

Part No.	Size	Weight	Quantity
5037F	—	1 lb	1

### 8-1/0 Gauge Heavy-Duty Cable Crimper | Cub Type

Part No.	Size	Weight	Quantity
5038F	—	4 lbs	1

### 6-4/0 Gauge Heavy-Duty Cable Crimper | Hex Type

Part No.	Size	Weight	Quantity
5039F	—	6 lbs	1

### 8-4/0 Gauge Hammer Crimper

Crimping tool driven by hammer impact with locking lever for easy loading.

Part No.	Size	Weight	Quantity
5040F	—	2 lbs	1

### Solder Pellets

Use to attach battery lug to cable.

Part No.	Gauge	Color	Weight	Quantity
3777F	4	Gray	1 lb	10
3778F	2	Green	1 lb	10
3779F	1	Pink	1 lb	10
3780F	1/0	Black	1 lb	10
3781F	2/0	Orange	1 lb	10
3782F	3/0	Purple	1 lb	10
3783F	4/0	Yellow	1 lb	10

# Battery Products



## Bulb Type Battery Filler

6 oz. filler with 6" spout.

Part No.	Size	Weight	Quantity
5042F	—	.5 lbs	1



## Temperature Correcting Hydrometer

Features both temperature and float for calibrated readings. Glass tube. Provides accurate battery charge condition.

Part No.	Size	Weight	Quantity
5043F	—	.5 lbs	1



## Dial-Type Battery Tester

Dial indicates battery charge and specific gravity. Tests all 6, 12, & 24 Volt systems. Helps extend battery life. Avoid dead batteries. Permanent instructions on back of each tester.

Part No.	Size	Weight	Quantity
5044F	—	.4 lbs	1



## Battery Isolator Switch with 2 Keys

Single circuit battery master switch. Includes 2 detachable keys for theft protection. Includes 2 ring terminals to connect isolator switch to battery. 2 position on/off with removable keys. Maximum load (5 seconds): 12 Volt @ 500 AMP DC Momentary. Maximum Continuous Rating: 12 Volt @ 100 AMP DC. Ideal product for automotive, RV, marine & farm equipment. Instructions included.

Part No.	Stud	Mounting Hole Size	Weight	Quantity
2699F	3/8"	3/16"	.3 lbs	1 Set

## Booster Cable Clamps



### 50A Copper-Plated Steel Clamps | Crimp Type

Testing and specialty clamp, designed for battery chargers, tune-up and test equipment. Provides maximum current carrying capacity. Cable clamps are color coated red and black for safety.

Part No.	Insulation Color	AMP	Weight	Quantity
257F	Red/Black	50	.16 lbs	1 Set



### 500A PVC-Coated Steel Heavy-Duty Clamps | E-Z Reach™ Type

Designed to grip securely to side terminal, post terminal batteries, and remote access terminals. Provides maximum current carrying capacity. Cable clamps are color coated red and black for safety.

Part No.	Insulation Color	AMP	Weight	Quantity
258F	Red/Black	500	1.16 lbs	1 Set

## Starter Cable

- Full gauge copper conductor
- Tough, high temperature PVC insulation — abrasion and chemical resistant
- Recommended for connecting battery to switch, starter and ground
- For use at 60 Volts or less
- Meets SAE J1127 specifications
- Temperature rating of 105° C (221° F)
- RoHS compliant
- Normal low temperature rating of -50° C (-58° F)
- Wire is made in the U.S.A.



### Starter Cable

Part No.	Gauge	Weight	Stranding	Color	Quantity
30F	6	4 lbs	49	Red	25'
30C	6	15 lbs	49	Red	100'
20F	6	4 lbs	49	Black	25'
20C	6	15 lbs	49	Black	100'
34F	4	5 lbs	70	Red	25'
34C	4	16 lbs	70	Red	100'
24F	4	5 lbs	70	Black	25'
24C	4	16 lbs	70	Black	100'
32F	2	8 lbs	133	Red	25'
32C	2	30 lbs	133	Red	100'
22F	2	8 lbs	133	Black	25'
22C	2	30 lbs	133	Black	100'
31F	1	9 lbs	133	Red	25'
31C	1	35 lbs	133	Red	100'
21F	1	9 lbs	133	Black	25'
21C	1	35 lbs	133	Black	100'
33F	1/0	11 lbs	133	Red	25'
33C	1/0	45 lbs	133	Red	100'
23F	1/0	11 lbs	133	Black	25'
23C	1/0	45 lbs	133	Black	100'
35F	2/0	14 lbs	133	Red	25'
35C	2/0	55 lbs	133	Red	100'
25F	2/0	14 lbs	133	Black	25'
25C	2/0	55 lbs	133	Black	100'
27F	3/0	18 lbs	259	Black	25'
27C	3/0	70 lbs	259	Black	100'
37F	3/0	18 lbs	259	Red	25'
37C	3/0	70 lbs	259	Red	100'

