

100 to 1,000 amp DC Connectors used in:

Batteries & Energy Storage



Work Trucks, APUs, Electrification



Motive Power



Rebling is a connector manufacturer located near Philadelphia which has specialized in high current (100 to 1,000 amps) connectors for the past 50 years. Fortunately for us, there has been significant growth in the markets we serve (battery manufacturers, motive power, energy storage systems, auxiliary power, power conditioning).

As applications trend toward higher voltages and currents as well as faster charging times, improved features are needed to enable the OEMs in those sectors to maintain their competitive edge and reduce their end users' total cost of ownership.

We will continue to innovate and bring those vital features to market at economical prices.

Wherever you find a Lithium Battery Module larger than a loaf of bread, you will find Rebling





DC Power

Converters



Tugs &

Tractors







Forklifts



Lithium **Batteries**

EV Fast Chargers

Portable Battery Packs

& AGVs



Mining Vehicles





High Performance **EVs**







Zero **Emission Work Trucks**

Energy Storage Systems



Marine

Micro Grids BEVs





Pulse Weapons













Double Pole Quick-Disconnect Connectors

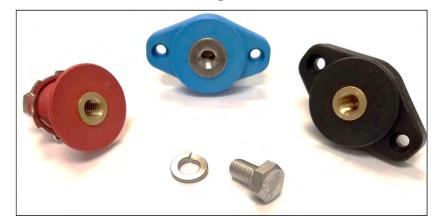


pages 14 → 20

Datasheets and 3D Step Files

for all products can be Downloaded from Rebling.com

Single Pole Feed Through Terminals



pages 4 → 13

Double Pole Renewable Energy Inverter Connectors



Battery Swap Connectors



pages 19 → 20

Feed Through Terminal, Single Pole, Wrench-Disconnect

LFT, SFT, MFT, BFT and XFT Styles



Our terminals are designed for the temperature sensitive environment of lithium battery modules and are compatible with any battery chemistry as well as air-cooled or liquid-cooled systems. Available in nickel plated for harsh environments, they prevent the ingress or egress of fluids and stay cool even at extreme charge and discharge rates. Equipping your design with these watertight terminals will enable designers and integrators to easily incorporate your products into Battery Pack, Motive Power, Energy Storage, Auxiliary Power or Power Conditioning applications.

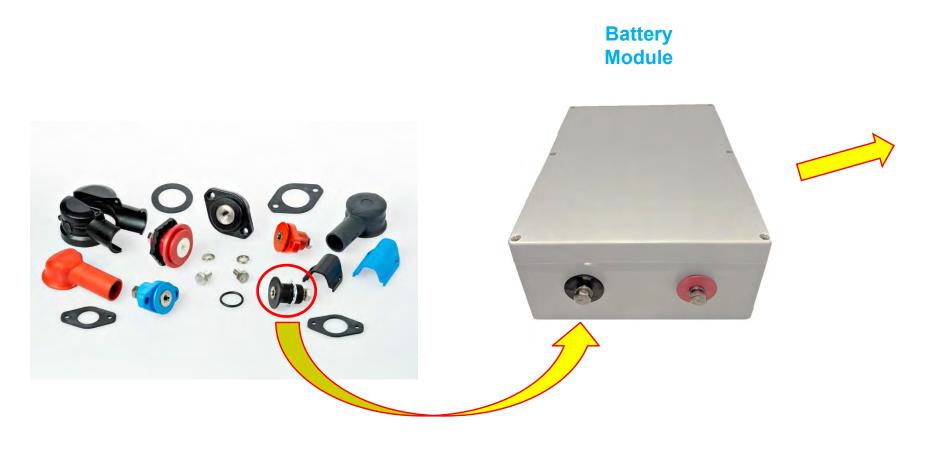
The **Selection Guides** on pages 8 & 9 identify the optimal part based upon your application's rated current, panel material, panel thickness, desired mounting pattern, environmental sealing and cover requirements.

Rigid and flexible covers snap onto the terminals with an audible click.

Ordering Information for terminals and accessories can be found on pages 11, 12 and 13.



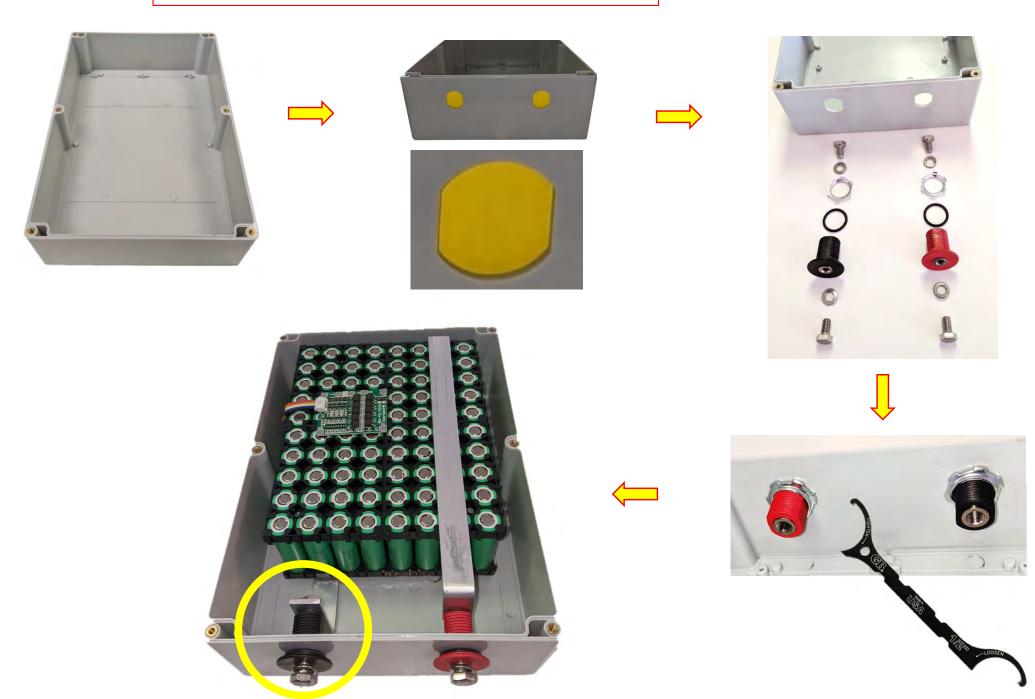
Feed-through Terminals in an Energy Storage System





Multiple Module Stack

Feed-through Terminals in a Battery Module



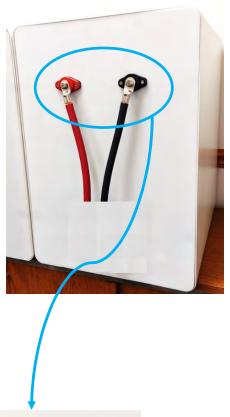
Feed-through Terminals in a Multiple-module Battery Pack





















Cable and Connector Selection Guidelines

Product Category	Industry Standard or Test Results			Product		Tool Required for Mating & Un-mating	Cross Sectional Area of Conductor mm ² (in ²)	30° C Rise 55° total	60° Touch Safe Metal	45° C Rise	77° Brewed Coffee	60° C Rise 85° total	85° Touch Safe Plastic	100° Bolling Water	90° C Rise
Connector	Test Results	Rebling	BFT or XFT	1,000 amp rating with one 750	MCM cable per terminal	Wrench	390 (.601)	1,020	755	1,270		1,470			1,690
Connector	Test Results	Rebling	BFT or XFT	750 amp rating with one 750	MCM cable per terminal	Wrench	390 (.601)	900	200	1,100		1,250			1,440
Connector	Test Results	Rebling	MFT	500 amp rating with one 450	MCM cable per terminal	Wrench	240 (.372)	520	013	630		730		1	840
Connector	Test Results	Rebling	LFT or SFT	250 amp rating with one	4/0 cable per terminal	Wrench	130 (.196)	280		340		390			450
Connector	Test Results	Anderson	SB350	with one	4/0 cable per terminal	None	130 (.196)	280		340		390			450
Connector	Test Results	Rebling	7010+7020	with one	4/0 cable per terminal	None	75 (.110)	270		330		380			430
Cable	Test Results	750 MCM	Cable	7,600 strands of 30 gauge wire			380 (.597)	1,010		1,250		1,430			
Cable	Test Results	500 MCM	Cable	5,000 strands of 30 gauge wire			250 (.393)	690	DE	850		970			
Cable	Test Results	450 MCM	Cable	4,500 strands of 30 gauge wire			230 (.353)	550	5.13	660		770			
Cable	Test Results	250 MCM	Cable	2,500 strands of 30 gauge wire			130 (.196)	360	513	450		520			
Cable	Test Results	4/0	Cable	2,060 strands of 30 gauge wire			105 (.162)	290		350		400			
Cable	Test Results	3/0	Cable	1,590 strands of 30 gauge wire			80 (.125)	260	ALL Y	310		350	Î		
Cable	Test Results	2/0	Cable	1,280 strands of 30 gauge wire			65 (.101)	240	10119	290		335	i I		
Cable	Test Results	1/0	Cable	1,000 strands of 30 gauge wire			50 (.079)	230	0118	270		315	î l		
Cable	Test Results	2 AWG	Cable	600 strands of 30 gauge wire			30 (.047)	160	1889	190		220	î l		
Cable	Test Results	6 AWG	Cable	250 strands of 30 gauge wire			13 (.020)	90		110		125	ĺ		
Cable	NEC/UL Standard	1,000 MCM	Cable	10,300 strands of 30 gauge wire	E _E =		520 (.809)	455		545		615	1		
Cable	NEC/UL Standard	750 MCM	Cable	7,600 strands of 30 gauge wire	1 -		380 (.597)	400		475		535	ĺ		
Cable		500 MCM	Cable	5,000 strands of 30 gauge wire			250 (.393)	320		380		430			
Cable	NEC/UL Standard	450 MCM	Cable	4,500 strands of 30 gauge wire			230 (.353)	300		355		405			
Cable	NEC/UL Standard	4/0	Cable	2,060 strands of 30 gauge wire			105 (.162)	195		230		260			
Cable	NEC/UL Standard	2/0	Cable	1,280 strands of 30 gauge wire			65 (.101)	145	0 9	175		195			
Cable	NEC/UL Standard	1/0	Cable	1,000 strands of 30 gauge wire			50 (.079)	125		150		170			
Cable	NEC/UL Standard	1 AWG	Cable	800 strands of 30 gauge wire			40 (.063)	110		130		145			
Cable	NEC/UL Standard	2 AWG	Cable	600 strands of 30 gauge wire			30 (.047)	95	113	115		130			
Cable	NEC/UL Standard	6 AWG	Cable	250 strands of 30 gauge wire			13 (.020)	55		65		75			

Cable and Connector Selection Guidelines: The cross sectional areas of the terminal and the cable attached to the terminal should be the same. Attaching a small cable to a large terminal is like attaching a 1 inch pipe to a 4 inch fitting, the size of the cable will limit the system's electrical and thermal performance, not the terminal. To select the optimal connector, follow the steps below:

- Step 1: determine the temperature rise your equipment design can tolerate. The higher the temperature rise your equipment can tolerate, the lower the cost of cable and connectors. Step 2: determine if your equipment needs to comply with UL, NEC, IEC or other standards
- Step 3: determine the steady state current which your equipment must handle. If there are frequent or extended peaks of higher currents, use these peaks to estimate an average steady state current.
- Step 4: select the smallest cable which can carry your steady state current which does not exceed the temperature rise you can tolerate and which conforms to the standard with which you wish to comply.
- Step 5: determine if your equipment needs a separable electrical connection. Separable connections are more expensive and less reliable than permanent (soldered or welded) connections.
- Step 6: determine if it is acceptable to use a tool to un-mate your electrical connection. Toolless connectors are more expensive and less reliable than connectors which require tools but might be justifiable if: frequent un-matings occur, the installer is unskilled, a 20 second reduction in maintenance time is critical or lowered assembly labor costs offset the increased cost of the toolless connector.

Step 7: select the lowest cost connector which: does not exceed the temperature rise your equipment can tolerate at your steady state current and meets your un-mating tool requirements.

Temperature Rise Values: the NEC (National Electrical Code) values are NEC's recommendations for typical thermoplastic insulated cables enclosed in a conduit which are close to other cables.

UL has adopted NEC's 45° C rise values as their recommendations for current levels per cable size in UL 98. The values labeled "Test Results" were obtained from current vs temperature rise testing of individual cables and connectors suspended in air inside an 18" x 18" x 18" x 18" test chamber. Lithium battery system designers usually select components which keep the temperature rise to a maximum of 30° C due the sensitivity of lithium cells. It is wise to compare connectors based upon temperature rise test results since the rated currents and total allowable temperatures defined by standards like UL1977 and IEC 61984 can vary by a factor of 2.5. The current vs temperature rise characteristics of your application may be significantly different than the assumptions used in NEC, UL or IEC standards.

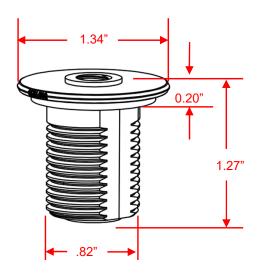
Touch Safe Temperatures: IEC/UL 60950-1 defines the maximum allowable temperature for 3 seconds of contact between a metal component and the human body as 60° C; for plastic it's 85° C.

Cross Sectional Area of Conductor: the cross sectional areas of the stranded cables shown above were calculated using the diameter of one 30 gauge wire = 0.01000 inches

Terminal Selection Guide

		our Application's F	14-16				- W. T. Bar V.	Terminal Selection Guide		Accessories																							
Rated	Your Panel	Your Panel	Desired Panel	Connector		Insulator	P/N for	I PASTA SECTION ASSESSMENT	4	200			12.72.27.2																				
Current	Material	Thickness	Mounting	Plating	Style	Color	bagged Kit SFT-B-B	Advantages over other Styles	O-ring	Gasket	Flexible Cover	Long Rigid Cover	Short Rigid Cover																				
				Unplated Brass		Red	SFT-B-R																										
		0.025 -> 0.220°		Oripidaco Diass	SFT	Blue	SFT-B-E	Can be mounted on very thin or weak panels	1000	74044044																							
		0,64 → 5,59 mm	3 circular holes		SFI	Black	SFT-P-B	Mounting holes can be made with a hand drill	-	716A1814																							
			1 1	Ni-plated Brass		Red	SFT-P-R																										
						Blue	SFT-P-E				5																						
				Unplated Brass		Black Red	LFT-B-B LFT-B-R																										
	Plastic	1000000	a characterist	Olipiated Brass	Nao	Blue	LFT-B-E	Smallest Footprint, Lowest Cost	Commission																								
			1 double-D hole	Language and	LFT	Black	LFT-P-B	Simplest Environmental Seal	700A1799	1.0																							
				Ni-plated Brass		Red	LFT-P-R																										
		D.230 → D.660"		10222		Blue	LFT-P-E SFT-B-B																										
		5,84 → 18,76 mm		Unplated Brass		Black Red	SFT-B-B																										
			Museaste	Onplated brass	100	Blue	SFT-B-E	Can be mounted on very thin or weak panels	1	200,000	1115																						
			3 circular holes		SFT	Black	SFT-P-B	Mounting holes can be made with a hand drill	1-1	716A1814																							
COL				Ni-plated Brass		Red	SFT-P-R																										
250						Blue	SFT-P-E			11																							
amps	Metal	0.025 → 0.100° 0.84 → 2,54 mm 0.110 → 0.680° 2,80 → 16,76 mm		Unplated Brass		Black Red	SFT-B-B SFT-B-R	Can be mounted on very thin or weak panels Mounting holes can be made with a hand drill	0+1		713A1806-B (BLK) 713A1806-R (RED) 713A1806-E (BLU)	698A1789-L-B (BLK) 698A1789-L-R (RED) 698A1789-L-E (BLU)	and the same of the same of																				
			025 → 0.100" 4 → 2,54 mm	Ni-plated Brass		Blue	SFT-B-E			716A1814			698A1789-S-B (BLK																				
					SFT	Black	SFT-P-B						698A1789-S-R (RED 698A1789-S-E (BLU)																				
					11 7 4	Red	SFT-P-R																										
						Blue Black	SFT-P-E LFT-B-B																										
									Unplated Brass		Red	LFT-B-B																					
			1 double-D hole	Oripiated Diass	LFT	Blue	LFT-B-E	Smallest Footprint, Lowest Cost	70044700	1.0																							
				1	LET	Black	LFT-P-B	Simplest Environmental Seal	700A1799																								
				Ni-plated Brass		Red	LFT-P-R																										
			16,76 mm			Blue Black	LFT-P-E SFT-B-B			716A1814																							
				Unplated Brass		Red	SFT-B-R																										
				5.00.00.00.00.00.00	SFT	Blue	SFT-B-E	Can be mounted on very thin or weak panels	-																								
			o circular rioles	A 3	Or I	Black	SFT-P-B	Mounting holes can be made with a hand drill																									
				11 000 00		Ni-plated Brass		Red Blue	SFT-P-R SFT-P-E																								
-			1																							Black	MFT-B-B						
	Plastic or Metal	0.025 → 0.860* 0.64 → 16.76 mm	025 → 0.660" 4 → 16,76 mm 3 circular holes	l.	Unplated Brass		Red	MFT-B-R	The same of the sa																								
500				4 7 7 7 1	MFT	Blue	MFT-B-E	Can be mounted on very thin or weak panels		716A1815																							
amps				Ni-plated Brass		Black	MFT-P-B MFT-P-R	Mounting holes can be made with a hand drill		720A1817																							
				Ni-plated brass		Red	MFT-P-E																										
			0	AT ALL AND DOOR	XFT	Black	XFT-P-B	Can be mounted on very thin or weak panels																									
	Plastic	0.025 → 0.180"	3 circular holes	Ni-plated Brass	AF)	Red	XFT-P-R	Mounting holes can be made with a hand drill		720A1817	720A1817	/20A181/	1		-																		
		0.190 → 0.550° 4,83 → 13,97 mm	Code Wilder	Carlo Carlo	Carlo Maria	Care water	Carlo College	1 double-D hole	Ni-plated Brass	BFT	Black	BFT-P-B	Smallest Footprint, Lowest Cost		651A1811		648A1758 (BLK)																
	Plastic			THE PLANE STATES		Red	BFT-P-R	Simplest Environmental Seal			10	648A1779 (RED)																					
750	1.1558.0		3 circular holes	Ni-plated Brass	XFT	Black Red	XFT-P-B XFT-P-R	Can be mounted on very thin or weak panels		720A1817	7																						
amps		La Vacanta e Sal	The state of the state of		N. S.	Black	XFT-P-B	Mounting holes can be made with a hand drill Can be mounted on very thin or weak panels	k let																								
amps			0.025 → 0.070*	$0.025 \rightarrow 0.070^{\circ}$	$0.025 \rightarrow 0.070$ *	$0.025 \rightarrow 0.070^{*}$	$0.025 \rightarrow 0.070$ *	$0.025 \rightarrow 0.070^{\circ}$	3 circular holes	Ni-plated Brass	XFT	Red	XFT-P-R	Mounting holes can be made with a hand drill		720A1817																	
	20.000	D.080 → 0.550°		and the second	9.0	Black	BFT-P-B	Smallest Footprint, Lowest Cost	1	a Section and a		648A1758 (BLK)																					
	Metal		0.080 - 0.550°	1 double-D hole	Ni-plated Brass	BFT	Red	BFT-P-R	Simplest Environmental Seal		651A1811		648A1779 (RED)																				
1000 amps		2,04 → 13,97 mm	2 circular bolos	Ni-plated Brass	XFT	Black	XFT-P-B	Can be mounted on very thin or weak panels		720A1817	Control of the Control of the																						
			3 circulai noies	E-1/19/05/2019	74 1	Red	XFT-P-R	Mounting holes can be made with a hand drill		720A1017	639A1830-B (BLK)																						
	Plastic	0.025 → 0.180" 0.190 → 0.550" 4,83 → 13,97 mm	0.025 → 0.180"	025 → 0.180" 3 circular holes	25 → 0.180" 3 circular holes	3 circular holes	3 circular holes	3 circular holes	Ni-plated	XFT	Black	XFT-N-B	Can be mounted on very thin or weak panels		720A1817	639A1830-R (RED)																	
			CACTOR ST. ST. ST.			Copper	10 4.35.1	Red	XFT-N-R	Tribution & Tribution and Tribution to Tribution and Tribu	1	720A1017		648A1758 (BLK)	4																		
			1 double-D hole Ni-plated Copper BFT Red		BFT-N-B BFT-N-R	Smallest Footprint, Lowest Cost Simplest Environmental Seal		651A1811																									
			Exercise Today	Ni-plated	13231	Black	XFT-N-B	Can be mounted on very thin or weak panels		222725051		648A1779 (RED)																					
			3 circular holes	Copper	XFT	Red	XFT-N-R	Mounting holes can be made with a hand drill		720A1817																							
	5 - 19	0.025 → 0.070"	2 pippulas halas	Ni-plated	XFT	Black	XFT-N-B	Can be mounted on very thin or weak panels		720A1817																							
	-41	U.U25 → U,U/U"	3 circular holes	Copper	AFI	Red	XFT-N-R	Mounting holes can be made with a hand drill		72UA1817																							
		0.080 → 0.550" 2,04 → 13,97 mm	1 double-D hole	Ni-plated	BFT	Black	BFT-N-B	Smallest Footprint, Lowest Cost		651A1811		648A1758 (BLK)																					
			. dodne b noie	Copper	200	Red	BFT-N-R	Simplest Environmental Seal		301711011	20	648A1779 (RED)																					
			3 circular holes	Ni-plated	XFT	Black	XFT-N-B	Can be mounted on very thin or weak panels		720A1817		4 10	1 1																				
			200	Copper	1 1	Red	XFT-N-R	Mounting holes can be made with a hand drill		1																							

Dimensions & Specifications

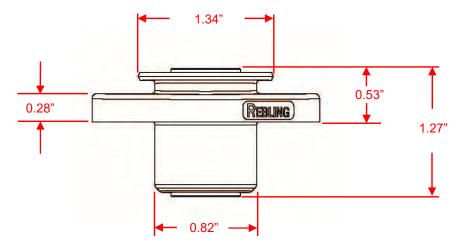


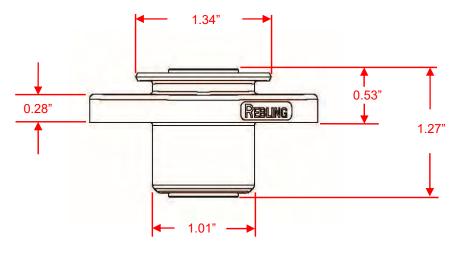
LFT Style

250 amps, 2,000 volts UL94 5VA IP68 with O-Ring One Double-D mounting hole

SFT Style

250 amps, 2,000 volts UL94 V-0 IP68 with gasket Three circular mounting holes





MFT Style

500 amps, 2,000 volts UL94 V-0 IP68 with gasket Three circular mounting holes

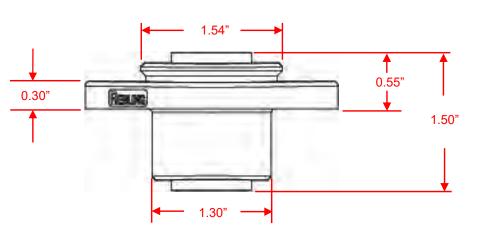
XFT Style

750 amps, 2,000 volts in brass 1,000 amps, 2,000 volts in copper UL94 V-0 IP68 with gasket Three circular mounting holes



BFT Style

750 amps, 2,000 volts in brass 1,000 amps, 2,000 volts in copper UL94 5VA IP68 with gasket One Double-D mounting hole





Feed-through Terminals

Rebling's Terminals are the most economical, smallest footprint, watertight feed-throughs that stay cool at the extreme charge and discharge rates of today's most advanced battery chemistries. These terminals are used on Lithium Battery Packs, Energy Storage Systems, Electric Vehicles, Power Distribution Panels, Chargers, Battery Management Systems, Inverters, Auxiliary Power Units and Power Conditioning Modules.

Covers and Gaskets can be found on the Accessories Page





Imperial-threaded Feed-through Terminals

Imperial-threaded fasteners have been the standard on military and civilian aircraft worldwide for over 100 years
These Terminals are used on Avionics Power Distribution Panels, Power Conditioning Modules, UAVs and EV Passenger Planes

Imperial-threaded Terminals have the same Performance Characteristics and accept the same Covers and Gaskets as their metric-threaded equivalents



P/N	Description
SFT-P-B-516 SFT-P-R-516 SFT-P-E-516	250 amp Lithium Battery Terminal, Brass, Nickel plated w 5/16 bolts (Black, Red, Blue)
MFT-P-B-516 MFT-P-R-516	500 amp Lithium Battery Terminal, Brass, Nickel plated w 5/16 bolts (Black or Red)
XFT-N-B-38 XFT-N-R-38	1000 amp Lithium Battery Terminal, Copper, Nickel plated w 3/8 bolts (Black or Red)
BFT-P-B BFT-P-R	750 amp Lithium Battery Terminal, Brass, Nickel plated w 5/16 bolts (Black or Red)
BFT-N-B BFT-N-R	1,000 amp Lithium Battery Terminal, Copper, Nickel plated w 5/16 bolts (Black or Red)

1 Horng
Pricing and Delivery
Imperial-threaded Terminals are available Worldwide exclusively through Rebling's Authorized Distributor
Flame Enterprises at FlameCorp.com

Pricing



Imperial-threaded SFT, MFT and XFT Terminals have a conical divot cut into each face of their cylindrical conductors

Copper XFT and BFT Terminals have a circular groove cut into each face of their cylindrical conductors

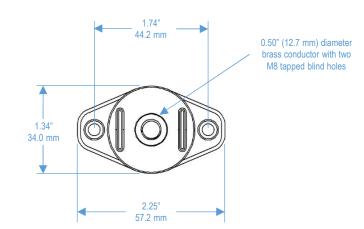


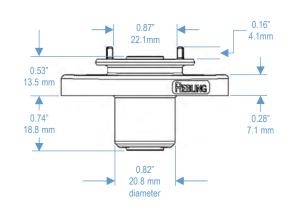
Fixed-Orientation SFT Terminals

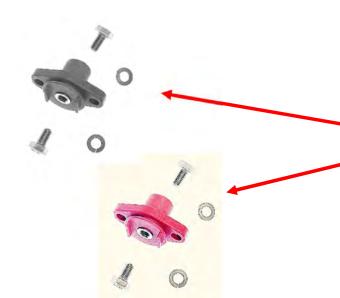
Some applications, especially automotive, require that a cable be attached to a terminal in a specific orientation. This terminal has orientation ridges that allow a cable lug to only be attached to the terminal perpendicular to the centerline of the mounting holes. A Fixed-orientation Terminal assures that a complex automotive cable harness, which might be 12 feet in length and have 20 different power and signal connectors attached, can only be installed on the vehicle in one of two orientations. The orientation ridges of this terminal are spaced 0.87" (22 mm) apart and are designed to accommodate standard ring lugs crimped to 1/0 or 2/0 (50 to 70 mm²) cable or narrow-tongue crimp lugs for 3/0 or 4/0 (80 to 110 mm²) cable.

The nickel-plated brass conductor of this water-tight terminal has two blind M8 threaded holes which accept the stainless steel bolts and split washers included in the kit.

Fixed-Orientation SFT Terminals have the same Performance Characteristics and accept the same Flexible Covers and Gaskets as Standard SFT Terminals





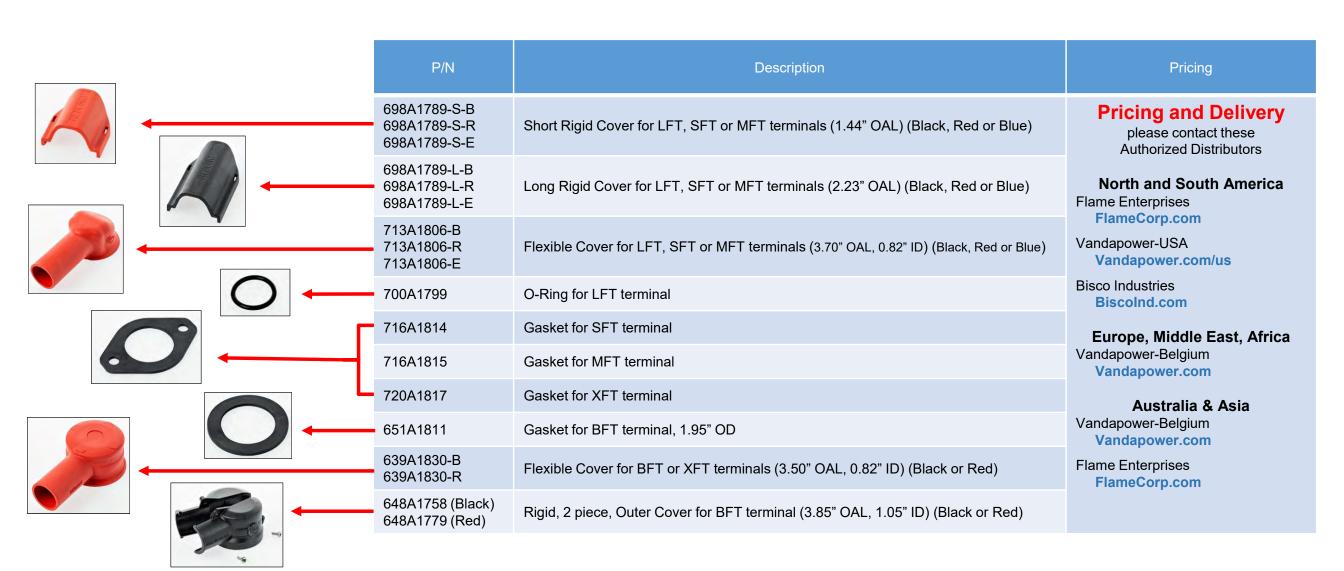


P/N	Description	Pricing
SFT-P-B-087	250 amp Fixed-orientation Terminal, Brass, Nickel plated w M8 Bolts, Black	Please contact these Authorized Distributors
SFT-P-R-087	250 amp Fixed-orientation Terminal, Brass, Nickel plated w M8 Bolts, Red	FlameCorp.com
SFT-P-E-087	250 amp Fixed-orientation Terminal, Brass, Nickel plated w M8 Bolts, Blue	Vandapower.com



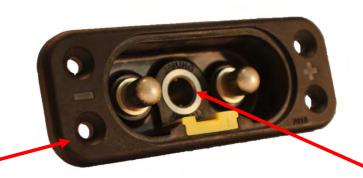
Accessories for Feed-through Terminals

The Accessories shown below fit all Metric-threaded and Imperial-threaded Terminals



Double Pole, Bulkhead-mounted, Quick-Disconnect Receptacles

7010 Series



1.62" Overall Height4.30" Overall Width

1.60" Overall Depth

Bulkhead-mounted, Keyable Receptacle (7010-3) The shaft of the handle on our cable-mounted connector locks into this socket.



Cables with crimped terminal lugs can be attached to these rear threaded posts

Bulkhead-mounted Receptacle with EMI-ESD Shielding (7009-51)



Elastomeric Gasket with Dust Cover (685A1766)



Receptacle with Gasket and Dust Cover installed



Dust Cover closed

Double Pole, Cable-mounted, Quick-Disconnect Plugs

7020 Series



Two Wire with non-conductive black backshell (7020-T)



Two Wire with non-conductive orange backshell (7020-O)



Two Wire with EMI-ESD conductive gray backshell (7020-E)

Four Wire, Double Pole, Tee Handle (7007-3)



Rotate the Handle

clockwise to engage.

It gives positive tactile and visual feedback when mated



Four Wire, Double Pole, Round Handle (7007)

Series and Parallel Configurations



Two Wire with non-conductive black backshell (7020-T)



Series Configuration



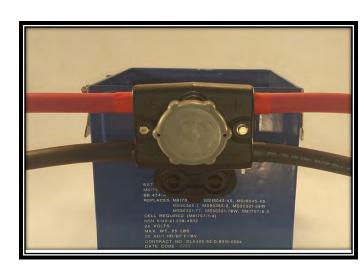
Two Wire with EMI-ESD conductive gray backshell (7020-E)



Four Wire, Tee Handle (7007-3)



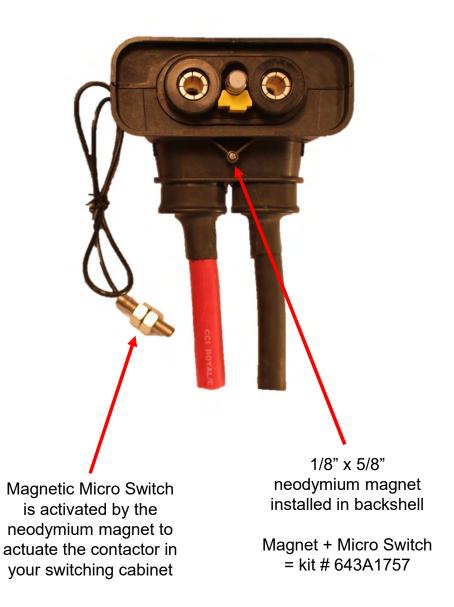
Parallel Configuration



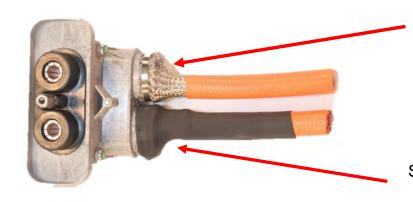
Four Wire, Round Handle (7007)

HVIL and EMI-ESD Versions

Cable-mounted Plug with High Voltage Interlock



Cable-mounted Plug with EMI-ESD Conductive Backshell



Braided cable shield can be flared-out or pig-tailed then attached to the conductive plastic backshell with a zip tie

Shrink tubing can be applied to cover the braided shield



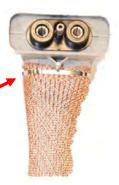
To measure the resistivity of any conductive fiber infused plastic with a multimeter, use a probe with a 10mm diameter tip



A shielded sleeve can be used to surround un-shielded cable.

The sleeve can be attached to the conductive backshell with a zip tie.

Shrink tubing or tape can be applied to cover the end of the sleeve.



Assembly Process



Cable-mounted Plug with Black Backshell (7020-T)



Attach terminal lugs (purchased separately) to the cable size appropriate for your application (8 AWG – 4/0)

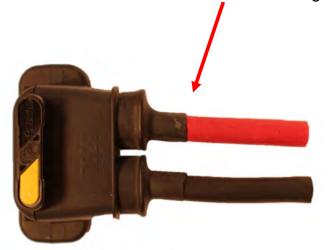


Attach the terminal lugs to the threaded holes in our connector using the bolts and washers in our kit

Plug and Receptacle mated



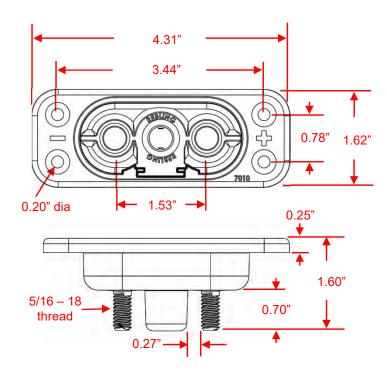
Shrink Tubing can be applied between the cable and the backshell to achieve sealing



Attach the backshell

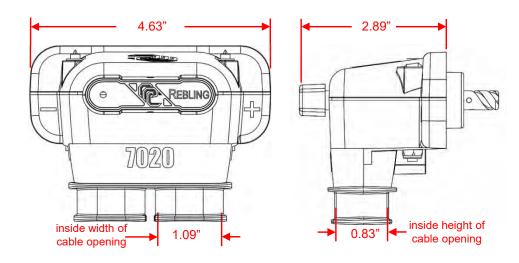


Dimensions & Specifications



7010 Series

Rated Current = 500 amps
Peak Current = 3,000 amps for 1 second
Rated Voltage = 1,500 volts
IP68 when mounted with gasket
UL94 V-0 Flammability Rating
Torque on electrical connections:
Nominal 30 – 40 in-lbs Max 60 in-lbs



7020 Series

Rated Current = 500 amps

Peak Current = 3,000 amps for 1 second

Rated Voltage = 1,500 volts

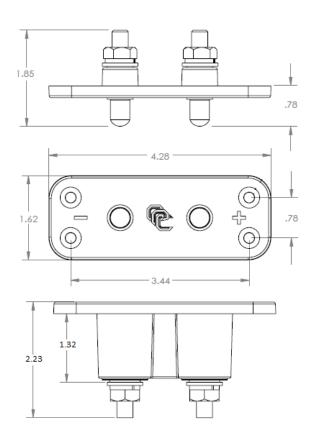
IP56 when shrink tubing is applied

UL94 V-0 Flammability Rating

Torque on electrical connections:

Nominal 30 – 40 in-lbs Max 60 in-lbs

Torque on backshell bolts: 6 – 8 in-lbs



Battery Swap

Rated Current = 500 amps
Peak Current = 3,000 amps for 1 second
Rated Voltage = 1,000 volts
UL94 V-0 Flammability Rating
Torque on electrical connections:
Nominal 30 – 40 in-lbs Max 60 in-lbs

REBLING

Quick-Disconnect Connectors and Accessories

REBLING	P/N	Description	Pricing
	7010-3	Bulkhead-mounted Receptacle, Keyable, Threaded posts, Black	Pricing and Delivery please contact these
	684A1763-x	Key for 7010 bulkhead-mounted receptacle (Orange-A, Blue-B, Green-C, Pink-D, White-E, Yellow-F)	Authorized Distributors North and South America
	7020-T	Cable-mounted Plug Connector, Keyable, with non-conductive Black Backshell	Flame Enterprises FlameCorp.com
MAT MIDTS MIDTS MIDTS AND	684A1765-x	Key Set for 7020 cable-mounted plug (Orange-A, Blue-B, Green-C, Pink-D, White-E, Yellow-F)	Vandapower-USA Vandapower.com/us
22 UNI HOME TO BE AND THE OWN	685A1766	Gasket with Attached Dust Cover for 7010 bulkhead-mounted receptacle, Black	Bisco Industries Biscolnd.com
	7009-51	Bulkhead-mounted Receptacle Connector, EMI Shielded, Gray	Europe, Middle East, Africa Vandapower-Belgium
	7020-O	Cable-mounted Plug Connector, Keyable, with non-conductive Orange Backshell	Vandapower.com Australia & Asia
	7020-E	Cable-mounted Plug with EMI-ESD Conductive Gray Backshell	Vandapower-Belgium Vandapower.com
	100A1784 100A1112	Gasket for 7010 bulkhead-mounted receptacle, Black Gasket for Battery Swap Pin or Socket Connectors	Flame Enterprises FlameCorp.com
	643A1625	EMI conductive gasket for 7009-51 bulkhead-mounted receptacle	
	643A1757	HVIL Kit for 7010 and 7020, includes magnet + magnetic switch	
	654A1679 654A1680	Battery Swap Male Pin Connector Battery Swap Female Socket Connector Male & Female connectors must be ordered in matching quantities (pairs)	