

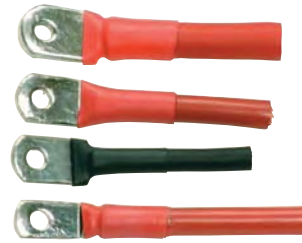
# RING TERMINALS

Type: Julian Electric Forged Continuous Stranding, Soldered Terminals

- ◆ Lowest Millivolt drop of all power terminals and lugs. Continuous conductor strands through body of terminal.
- ◆ In-Line Terminals installed with **no break in conductor**.
- ◆ Break Strength of >3000 lbs. far exceeds pull out minimums of all other terminal and lug designs.
- ◆ Continuous stranding terminals supplied via completed assemblies (not end items).

## End Terminals, In-Line Terminals

Wire Gauge	End Part Number	In-line Part Number
4, 6, 8	BC06XET	BC06XILT
1, 2	BC01XET	BC01XILT
1/0, 2/0	BC20XET	BC20XILT
3/0	BC30XET	BC30XILT
4/0	BC40XET	BC40XILT



Forged Ring Terminals



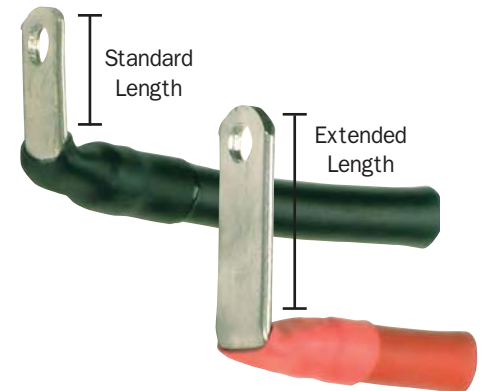
Double End Ring Terminal

**Note:** See key to substitute hole size code for letter "X"  
Ex: BC30TET is a 3/0 terminal with a .390 min hole.

## 90 Degree Terminals

Must specify length when ordering.

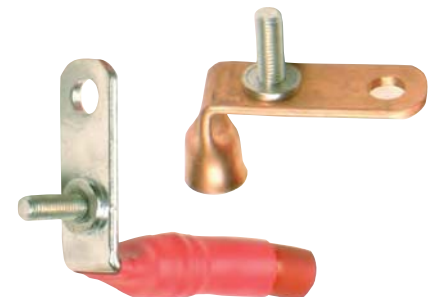
Wire Gauge	Hole Size	Continuous Stranding	Solid Lug
1/0, 2/0	3/8	BC20TET90	39BC20LUG90
	1/2	BC20HET90	39BC20LUG90
3/0	3/8	BC30TET90	39BC30LUG90
	1/2	BC30HET90	39BC30LUG90
4/0	3/8	BC40TET90	39BC40LUG90
	1/2	BC40HET90	39BC40LUG90



90 Degree Terminals

## 90 Degree Terminals - with 3/8-16 "depopulation" auxiliary stud

Wire Gauge	Hole Size	Continuous Stranding	Solid Lug
1/0, 2/0	3/8	BC20TET90DS	39BC20LUGT90
	1/2	BC20HET90DS	39BC20LUGH90
3/0	3/8	BC30TET90DS	39BC30LUGT90
	1/2	BC30HET90DS	39BC30LUGH90
4/0	3/8	BC40TET90DS	39BC40LUGT90
	1/2	BC40HET90DS	39BC40LUGH90



Wire Gauge	Part#
1/0, 2/0	BC20TETSLDS
	BC20HETSLDS
3/0	BC30TETSLDS
	BC30HETSLDS
4/0	BC40TETSLDS
	BC40HETSLDS



Specify 5/16 or 3/8 auxiliary stud

## Hole Size Code Key

Code ("X")	Clearance Hole
Q	1/4 (.278/.260)
F	5/16 (.337/.321)
T	3/8 (.406/.390)
H	1/2 (.531/.510)

# RING TERMINALS

Type: Closed Barrel Lugs, deep drawn copper ASTM-B-152

Wire Gauge	Part Number (TIN Plated)	Part Number (Unplated)
8	08TPX	08NPX
6	06TPX	06NPX
4	04TPX	04NPX
2	02TPX	02NPX
1	01TPX	01NPX
1/0	10TPX	10NPX
2/0	20TPX	20NPX
3/0	30TPX	30NPX
4/0	40TPX	40NPX
313MCM	313TPT	313NPT
	313TPH	313NPH
373MCM	373TPT	373NPT
	373TPH	373NPH
535MCM	535TPT	535NPT
	535TPH	535NPH

Hole Size Code Key

Code ("X")	Clearance Hole
N	#10 (.187/ .200)
Q	1/4 (.278/ .260)
F	5/16 (.337/ .321)
T	3/8 (.406/ .390)
H	1/2 (.531/ .510)

**Note:** See key to substitute hole size code for letter "X"  
Ex: BC30TET is a 3/0 terminal with a .390 min hole.

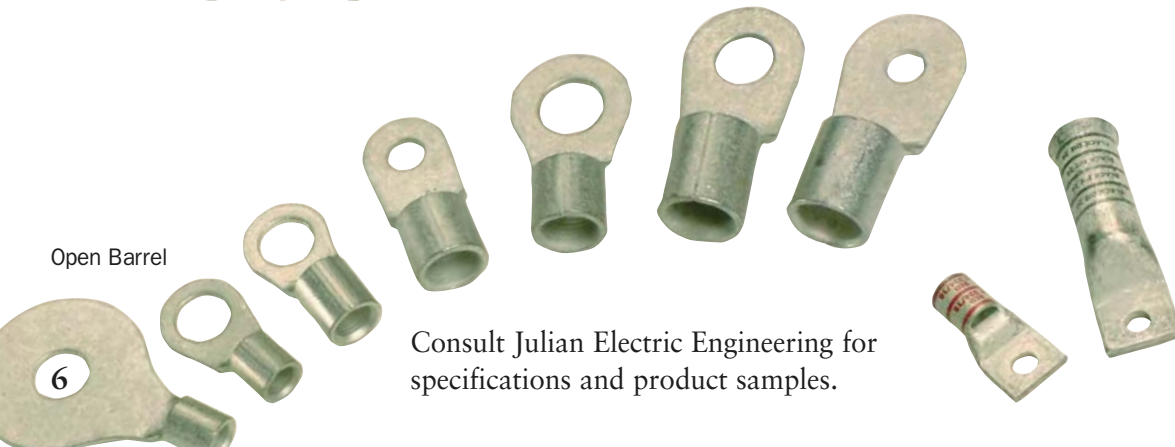
Wire Gauge	Part Number (TIN Plated)-45 degree	Part Number (Unplated)-45 degree	Part Number (TIN Plated)-90 degree	Part Number (Unplated)-90 degree
8	08TPX-45	08NPX-45	08TPX-90	08NPX-90
6	06TPX-45	06NPX-45	06TPX-90	06NPX-90
4	04TPX-45	04NPX-45	04TPX-90	04NPX-90
2	02TPX-45	02NPX-45	02TPX-90	02NPX-90
1	01TPX-45	01NPX-45	01TPX-90	01NPX-90
1/0	10TPX-45	10NPX-45	10TPX-90	10NPX-90
2/0	20TPX-45	20NPX-45	20TPX-90	20NPX-90
3/0	30TPX-45	30NPX-45	30TPX-90	30NPX-90
4/0	40TPX-45	40NPX-45	40TPX-90	40NPX-90



Closed Barrel



Open Barrel



Heavy Duty



Consult Julian Electric Engineering for specifications and product samples.

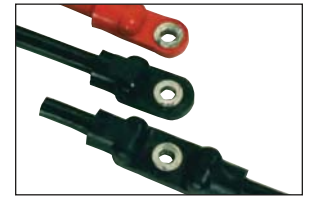
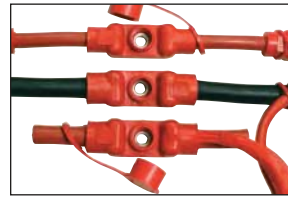
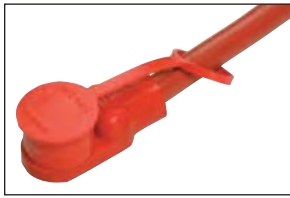
# TOP STUD SEALED AND STACKABLE OVER-MOLDED CONNECTORS

Type: Forged Continuous Stranding, Soldered, PVC Overmolded Terminals, End Terminals, In-Line Terminals  
(NR = Narrow span/width 28mm wide. Standard width is 32mm.)



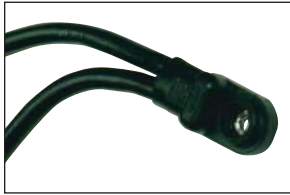
Wire Gauge	End Part Number	Stackable	In-Line Part Number	Stackable
4, 6, 8	BC06XET-M	-S	30BC06XTIL	-S
1, 2	BC01XET-M	-S	30BC01XTIL	-S
1/0, 2/0	BC20XET-M	-S	30BC20XTIL	-S
3/0-4/0	BC40XET-M	-S	30BC40XTIL	-S
4, 6, 8	BC06XETNR-M	-S	NA	NA
1,2	BC01XETNR-M	-S	NA	NA
1/0, 2/0	BC20XETNR-M	-S	NA	NA

**Note:** See key to substitute hole size code for letter "X"  
Ex: BC30TET is a 3/0 terminal with a .390 min hole.



## Sealed Double Terminations

Combinations up to 2/0 gauge (consult JEI engineering)	BC20XETDBL-M
--	--------------



## Sealed Double RIGHT ANGLE Terminations

Combinations up to 2/0 gauge (consult JEI engineering)	BC20XETDBLRA-M
--	----------------



## 90 Degree Sealed Connector - For tight packaging requirements

Wire Gauge	End Part Number	Stackable	In-Line Part Number	Stackable	Reverse Stackable
1/0, 2/0	BC20XET-M90	-S	30BC20XTIL90	-S	-RS
3/0-4/0	BC40XET-M90	-S	30BC40XTIL90	-S	-RS



## 90 Degree Sealed Connector - NARROW - Ideal for alternator and other auxiliary connections

Wire Gauge	End Part Number
1 ga., 2 ga.	BC01XET-NM90
1/0, 2/0	BC20XET-NM90



## Hole Size Code Key

Code ("X")	Clearance Hole
Q	1/4 (.278/.260)
F	5/16 (.337/.321)
T	3/8 (.406/.390)
H	1/2 (.531/.510)

## FLAG RING TERMINALS - UN-SEALED, SEALED, PARTIAL SHANK MOLD

Type: Solid copper ASTMB-152, Soldered Terminals, End Terminals, In-Line Terminals

- ◆ Will mate to SAE top-studded battery post or other connections.

Wire Gauge	Un-sealed Part Number	Sealed (full mold)	Sealed (shank mold)
4, 6, 8	BC06XFL	-M	-SM
1, 2	BC02XFL	-M	-SM
1/0, 2/0	BC20XFL	-M	-SM
3/0	BC30XFL	-M </td <td>-SM</td>	-SM
4/0	BC40XFL	-M	-SM

Recommend specifying shrink sleeve (on assembly drawings) with un-sealed terminals. Assembly drawing should show orientation (Left Angle, Right Angle, etc.).

**Note:** See key to substitute hole size code for letter "X"

Ex: BC30TET is a 3/0 terminal with a .390 min hole.



### Hole Size Code Key

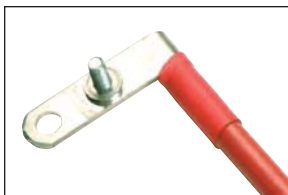
Code ("X")	Clearance Hole
Q	1/4 (.278/.260)
F	5/16 (.337/.321)
T	3/8 (.406/.390)
H	1/2 (.531/.510)

## FLAG 90 DEGREE TERMINALS - WITH 3/8-16 DEPOPULATION AUXILIARY STUD



Partial Mold	Hole Size	Part Number
1/0, 2/0	3/8	18BC20RATETSO-P
3/0	3/8	18BC30RATETSO-P
4/0	3/8	18BC40RATETSO-P

-P denotes "positive", or red mold. Substitute -N, for black mold.



Unsealed	Hole Size	Part Number
1/0, 2/0	3/8	18BC20RATETSO
3/0	3/8	18BC30RATETSO
4/0	3/8	18BC40RATETSO

Recommend specifying shrink sleeve(on assembly drawings) with un-sealed terminals.



### Fuse Holder Flag Terminals

- ◆ Ideal for fuse module and other auxiliary connections

Wire Gauge	Sealed (shank mold) Part Number
1, 2	BC02XFLET-FSH
1/0, 2/0	BC20XFLET-FSH



### Narrow Span Sealed Flag Terminals

- ◆ Ideal for alternator and other auxiliary connections

Wire Gauge	Sealed (full mold)
1, 2	BC02XFLET-N
1/0, 2/0	BC20XFLET-N

## FLAG RING TERMINALS - CONT.

Flag Terminals with 3/8-16 auxiliary stud

Wire Gauge	End Part Number	In-Line Part Number	Sealed (full mold)	Sealed (shank mold)
4, 6, 8	18CRATSO 6	18CRATSO-I 6	-M	-SM
1, 2	18CRATSO 1	18CRATSO-I 1	-M	-SM
1/0, 2/0	18CRATSO 2/0	18CRATSO-I 2/0	-M	-SM
3/0	18CRATSO 3/0	18CRATSO-I 3/0	-M	-SM
4/0	18CRATSO 4/0	18CRATSO-I 4/0	-M	-SM



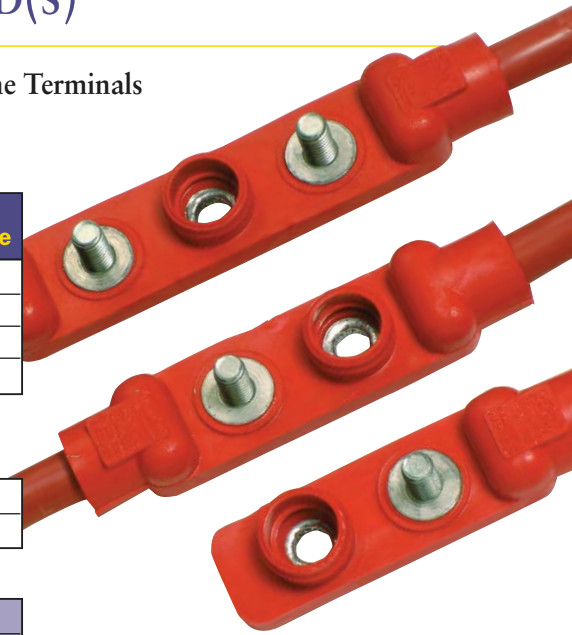
## STUD OPTION: TOP STUD STACKABLE SEALED CONNECTORS WITH 3/8-16 AUXILIARY STUD(S)

Type: Forged Continuous Stranding, Soldered Terminals, End Terminals, In-Line Terminals

Top Stud Terminal with 1 auxiliary 3/8-16 stud

Must specify studhole location in assembly diagram.

Wire Gauge	End Part Number	Stackable	In-Line Part Number	Stackable
4, 6, 8	BC06XETSO	-S	BC06XILSO	-S
1, 2	BC01XETSO	-S	BC01XILSO	-S
1/0, 2/0	BC20XETSO	-S	BC20XILSO	-S
3/0-4/0	BC40XETSO	-S	BC40XILSO	-S



Top Stud Terminal with 1 auxiliary 3/8-16 stud

Must specify studhole location in assembly diagram.

1/0, 2/0	BC20XETDSO	-S	BC20XILDSO	-S
3/0-4/0	BC40XETDSO	-S	BC40XILDSO	-S

Sealed Auxiliary Stud Terminal (end or in-line)

1/0, 2/0	BC20ETS		BC20ILS	
3/0-4/0	BC40ETS		BC40ILS	

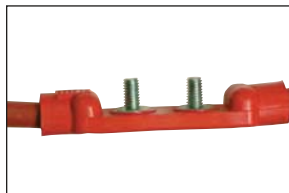
Sealed Dual Auxiliary Stud Terminal

1/0, 2/0	BC20EDS		BC20ILDS	
3/0-4/0	BC40EDS		BC40ILDS	

Sealed Triple Auxiliary Stud Terminal

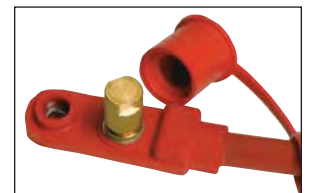
1/0, 2/0	BC20ETS		BC20ILTS	
3/0-4/0	BC40ETS		BC40ILTS	

Sealed auxiliary stud terminal (end or in-line). **Note:** See key to substitute hole size code for letter "X".  
Ex: BC30TET is a 3/0 terminal with a .390 min hole.



Hole Size Code Key

Code ("X")	Clearance Hole
Q	1/4 (.278/.260)
F	5/16 (.337/.321)
T	3/8 (.406/.390)
H	1/2 (.531/.510)



Auxiliary "End Stud" (3/8-16)

P/N	Color
BC20TETSAUX-P	Red
BC20TETSAUX-N	Black



Remote Jump Start

Wire Gauge	Part Number	Positive Red	Negative Black
4, 6, 8	BC04TJS	-P	-N
1, 2	BC01TJS	-P	-N
1/0, 2/0	BC204TJS	-P	-N
3/0, 4/0	BC404TJS	-P	-N

## TAPERED POST TERMINALS

Copper Alloy ASTM B176, TIN Plated, Hardware Required

- ◆ Fasteners available in steel or stainless (see Hardware, page 13).
- ◆ Available in bulk or in custom assembly.

### Positive Terminals

Wire Gauge	Part Number			
	Inline/Flag	Right Angle	Left Angle	Straight (End)
4	04 FGP	04 RAP	04 LAP	04 STP
2	02 FGP	02 RAP	02 LAP	02 STP
1	01 FGP	01 RAP	01 LAP	01 STP
1/0	10 FGP	10 RAP	10 LAP	10 STP
2/0	20 FGP	20 RAP	20 LAP	20 STP
3/0	30 FGP	30 RAP	30 LAP	30 STP
4/0	40 FGP	40 RAP	40 LAP	40 STP
250 XXX	60 FGP	60 RAP	60 LAP	60 STP



### Negative Terminals

Wire Gauge	Part Number			
	Inline/Flag	Right Angle	Left Angle	Straight (End)
4	04 FGN	04 RAN	04 LAN	04 STN
2	02 FGN	02 RAN	02 LAN	02 STN
1	01 FGN	01 RAN	01 LAN	01 STN
1/0	10 FGN	10 RAN	10 LAN	10 STN
2/0	20 FGN	20 RAN	20 LAN	20 STN
3/0	30 FGN	30 RAN	30 LAN	30 STN
4/0	40 FGN	40 RAN	40 LAN	40 STN
250 XXX	60 FGN	60 RAN	60 LAN	60 STN

## LEAD DIE CAST

Available in assembly form only.

Consult JE Engineering for assistance with assembly design and specification.

### Positive Terminals

Wire Gauge	Flag/Inline	Right Angle	Left Angle	Straight
4 ga through 4/0	BC FGP Cast	BC RAP Cast	BC LAP Cast	BC STP Cast

### Negative Terminals

Wire Gauge	Flag/Inline	Right Angle	Left Angle	Straight
4 ga through 4/0	BC FGN Cast	BC RAN Cast	BC LAN Cast	BC STN Cast

