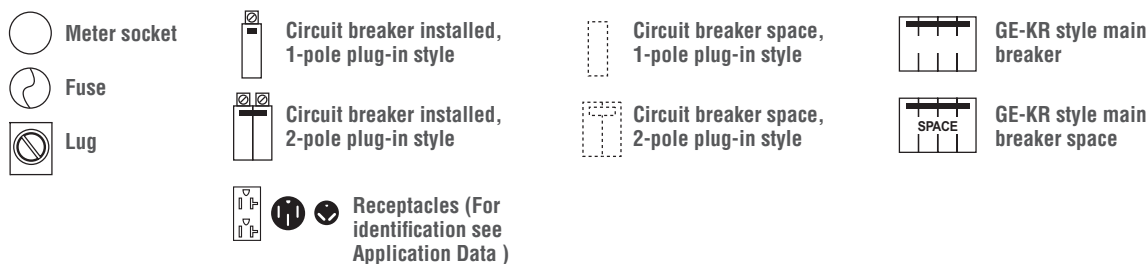


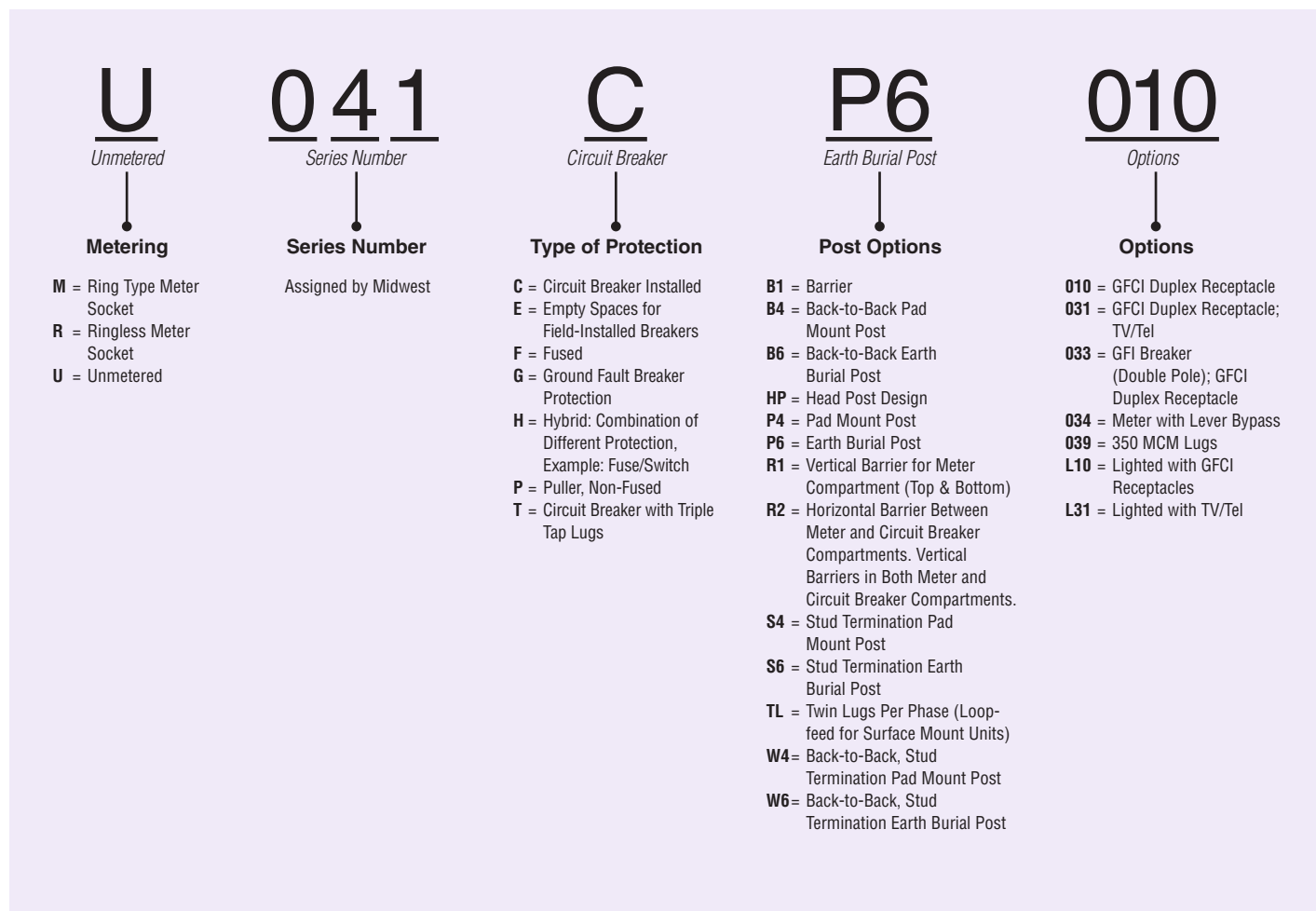
Catalog Keys

Model Diagram Symbols



Model Number System

Model numbers are based on the following system.
Example: Model Number U041CP6010.



Introduction

Product Features

Surface Unit

- NEMA 3R weatherproof construction
- G90 galvanized steel construction for superior corrosion resistance
- Durable polyester powder coat finish resists chipping and fading
- All components factory wired and assembled, reducing installation time
- Door removable for installation ease; stay open position for user convenience
- All terminals accept copper or aluminum wire for added installation flexibility
- Wide range of receptacle configurations
- Broad range of concentric knockouts to accommodate varied wiring needs
- All units with factory installed Cu/Al equipment ground lug
- Dead front construction prevents accidental contact with live parts
- Padlock provision to prevent unauthorized access
- Rolled edge door for cord protection
- Conforms to NEC and NEMA standards



U055C010

Pedestal Unit

- NEMA 3R weatherproof construction
- G90 galvanized steel construction for superior corrosion resistance
- Durable polyester powder coat finish resists chipping and fading
- All components factory wired and assembled, reducing installation time
- Door removable for installation ease; stay open position for user convenience
- All terminals accept copper or aluminum wire for added installation flexibility
- Loop-feed terminals for maximum flexibility
- Single or double cabinet posts for fast and economical multiple site applications
- Barriers available for line, load and meter socket isolation
- Utility accepted meter sealing accommodations
- Pad mount posts available
- Dead front construction prevents accidental contact with live parts
- Padlock provision to prevent unauthorized access
- Rolled edges on all post wire entry points
- Conforms to NEC and NEMA standards



M255GP6

Application Information

Where electrical power enters a building or other structure, the National Electrical Code (NEC) requires electrical distribution equipment rated as "Service Entrance." Such service equipment usually consists of one main breaker disconnect or space for up to 6 main disconnects. Midwest models meet these NEC requirements and are UL listed as service entrance equipment.

Service entrance products are typically utilized on single family residences and mobile homes. Additionally, service entrance for mobile homes is generally located within 30 feet of the mobile home. This location requirement by the NEC and the common use of underground service feeders, combine to make service entrance on a pedestal the preferred installation method by many park owners. Midwest offers a broad range of pedestal units, factory assembled and wired, with loop feed lugs to reduce installation time and labor expense. Midwest also offers a wide selection of surface units for single family residences and mobile home sites.

Specifications and Features

- Rated for use as service equipment
- NEMA 3R weatherproof enclosure
- G90 galvanized steel construction for superior corrosion protection
- Durable polyester powder coat finish resists chipping and fading
- Metered and unmetered construction available up to 200 Amps
- All-in-one construction available up to 400 Amps
- Available in surface or pedestal mount construction
- Segregated meter compartment for utility power protection
- Weather resistant and tamper resistant GFCI receptacles
- Horn bypass comes standard on ringless metered units
- Cu/Al rated field terminations
- Factory installed Cu/Al equipment ground lug
- Padlock provision to prevent unauthorized entry



Post Models

- Factory wired on loop feed lugs on 200 Amp models
- Removable post door allows lay in wiring
- Rolled edges to protect service cable
- Locking hasp for utility seal on post covers
- Stud terminations available to accept compression type lugs

Metered

Surface, 200 Amps, 120/240V

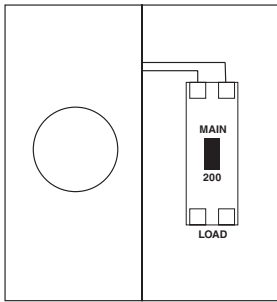


Fig. A
MS250C, RS250C
Series

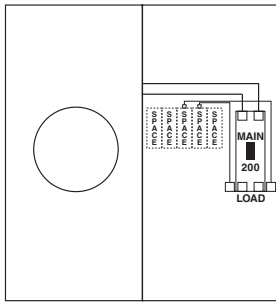


Fig. B
MS251C, RS251C
Series

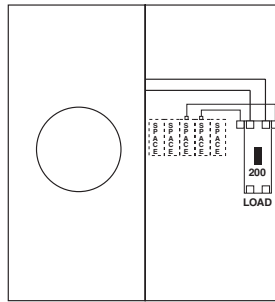


Fig. C
MS252C
Parallel

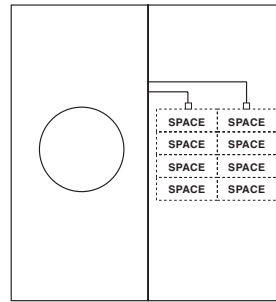


Fig. D
MS252E014
Parallel

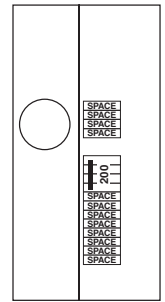


Fig. E
MS2453C
Parallel

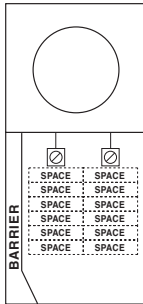


Fig. F
R256EB1A
Parallel

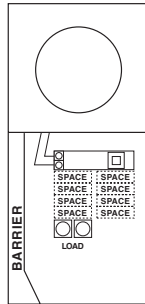


Fig. G
M208CR2A, R208CR2A
Series

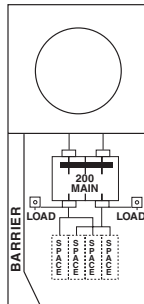


Fig. H
M281CB1, R281CB1
Series

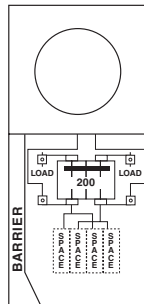


Fig. I
M282CB1, R282CB1
Parallel

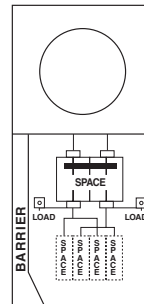


Fig. J
M281EB1, R281EB1
Series

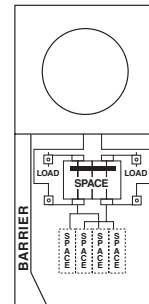


Fig. K
M282EB1, R282EB1
Parallel

Side-by-Side, Overhead/Underground Feed

Fig.	Model Number		Circuit Protection	Amps	Spaces	Wire Range*	Cabinet Size	Load Center	Unit Wt.	Std Pkg.	UL
	Ring Type	Ringless									
A	MS250C	RS250C ²	CB2201	200	0	BC	17 x 26	—	41	1	Y
B	MS251C	RS251C	CBL2201	200	5	BC	17 x 26	LC55N1	41		
C	MS252C	—	LCB2201	200	5	BC	17 x 26	LC55N1	43		
D	MS252E014 ¹	—	—	200	8	BC	14 x 31	LC88X2	39		
E	MS2453C	—	CB4200H	200	8	W	14 x 31	LC88X2	38		

Overhead/Underground Feed

Fig.	Model Number		Circuit Protection	Amps	Spaces	Wire Range*	Cabinet Size	Load Center	Unit Wt.	Std Pkg.	UL
	Ring Type	Ringless									
F	—	R256EB1A ^{3,4,6}	—	200	12	—	14 x 26	—	32	1	Y
G	M208CR2A	R208CR2A	CB2200B	200	8	AN	14 x 28	LC1212PC	46		
H	M281CB1	R281CB1 ^{2,5,6}	CB4200H	200	4	BK	14 x 28	LCTNL + LCBS	34		
I	M282CB1 ⁷	R282CB1 ⁵	CB4200H	200	4	BK	14 x 28	LCTL + LCBS	35		
J	M281EB1	R281EB1	—	200	5	BK	14 x 28	LCTNL + LCBS	33		
K	M282EB1	R282EB1	—	200	5	BK	14 x 28	LCTL + LCBS	33.2		

¹ Space for 8-Single Pole Breakers or 200A Main and 4-Single Pole Breakers.
² Add "GP" suffix after model number for Georgia Power Utility approved model.
 GP models not available with barrel lock.
³ Available with aluminum bussing and aluminum enclosure - R256EB1018A.

⁴ Available with galvanized enclosure with neutral installed - R256EB1NA.
⁵ Available with barrel lock - add "LK" after model number.
⁶ Add "ETG" suffix after model number for Entergy Utility approved model.
⁷ Available with copper wire - M282CB1C.
 * Wire Range Table on pages 26-27.

Technical Data

Model Number	Replacement Parts		Cabinet Size	Enclosure Style ²	Cabinet Dimensions (inches)			Knockout Figure ³	Hub	kAIC
	Meter Socket	Post Lugs			Height (A)	Width (B)	Depth (C)			
MS251C	MW200M	—	17 x 26	E	26-1/4	17-1/2	5-1/2	10	Y	10
MS252C	MW200M	—	17 x 26	E	26-1/4	17-1/2	5-1/2	10	Y	10
MS252E014	MW200M	—	14 x 31	E	14-3/4	31-5/16	5-7/8	7B	Y	10
MS45500C	265A5264P2	—	31 x 33	E	33-1/10	30-1/2	6-1/10	See page 23	N	22
MS45508C	265A5264P2	—	31 x 33	E	33-1/10	30-1/2	6-1/10	See page 23	N	22
R100C	MSR100930	—	9 x 30	C	30	9-3/4	5-3/16	3	Y	10
R100T	MSR100930	—	9 x 30	C	30	9-3/4	5-3/16	3	Y	10
R101C	MSR100930	—	9 x 30	C	30	9-3/4	5-3/16	3	Y	10
R101CB2	MW200R	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R101CB2LK	MW200R	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R101CB2010	MW200R	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R101CB6	MSR100P9	LT100B350	9PT	See page 24					N	10
R101CB6HP	MSR100P9	LT200B350	9HP	See page 24					N	10
R101CP6	MSR100P9	LT100S350	9PT	See page 24					N	10
R101CP6HP	MSR100P9	LT200S350	9HP	See page 24					N	10
R102CB2	MW200R	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R102CB2LK	MW200R	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R102E	MSR100930	—	9 x 30	C	29-1/2	9-1/4	5-3/16	1	Y	10
R102EN	MSR100930	—	9 x 30	C	29-1/2	9-1/4	5-3/16	1	Y	10
R181CB1	MSRS	—	14 x 28	D	28-1/2	14-3/10	4-4/5	6	Y	10
R200T	MW200R	—	14 x 38	C	38-3/8	14-3/4	6-3/8	8	Y	10
R208CP6HP	MW200R	LT200S350	14HP	See page 24					N	10
R208CR2A	MW200R	—	14 x 28	C	28-5/8	14-3/4	6-3/8	8	Y (2)	10
R208CR2A034	265A5264P8	—	14 x 28	C	28-5/8	14-3/4	6-3/8	8	Y	10
R211CP6	MSRS	—	9PT ¹	See page 24					N	10
R2502CP6	MSRS	—	9PT ¹	See page 24					N	10
R255CP6010	MSR20014	LT200S350	14PT	See page 24					Y	10
R255CB6010	MSR20014	LT200S350	14PT	See page 24					Y	10
R256EB1A	198B8601G70	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R256EB1018A	198B8601G70	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R256EB1NA	198B8601G70	—	14 x 26	D	26-1/4	14-3/4	4-9/16	6	Y	10
R280T	MW200R	—	9 x 32	C	32-1/4	9-3/4	5-11/16	4	Y	10
R280TP6HP	MW200R	LT200S350	9HP	See page 24					N	10
R281C1	MSRS	—	9 x 30	D	30-1/4	9-5/16	4-3/4	12	Y	22
R281C1034	265A5264P8	—	14 x 32	D	32-1/2	14-1/2	5-7/16	15	Y	22
R281C1B6H	MSRP	LT200B350	6H	See page 25					N	22
R281C1B6H034	265A5264P8	LT200B350	6H034	See page 25					N	22
R281C1P6H	MSRP	LT200S350	6H	See page 25					N	22
R281C1P6H034	265A5264P8	LT200S350	6H034	See page 25					N	22
R281C1S6HC	MSRP	LT200SS	6H	See page 25					N	22
R281CB1	MSRS	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R281CB1034	265A5264P8	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R281CB1LK	MSRS	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R281E1B6H	MSRP	LT200B350	6H	See page 25					N	22
R281E1B6H034	265A5264P8	LT200B350	6H034	See page 25					N	22
R281E1P6H	MSRP	LT200S350	6H	See page 25					N	22
R281E1P6H034	265A5264P8	LT200S350	6H034	See page 25					N	22
R281EB1	MSRS	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R281EB1034	265A5264P8	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R282C1B6H	MSRP	LT200B350	6H	See page 25					N	22
R282C1P6H	MSRP	LT200S350	6H	See page 25					N	22
R282CB1	MSRS	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R282CB1LK	MSRS	—	14 x 28	D	28-5/8	14-3/8	4-3/4	13	Y	22
R282E1B6H	MSRP	LT200B350	6H	See page 25					N	22
R282E1P6H	MSRP	LT200S350	6H	See page 25					N	22

¹ Not all models listed. Contact local representative for other models and details.

² Enclosure Styles on page 22.

³ Knockout Figures on page 23.

A 3x3 grid with letters in some cells. The top row has 'G' in the first, second, and third columns. The middle row has 'G' in the first column, 'D' in the second column, and 'G' in the third column. The bottom row has 'H' in the first column, 'G' in the second column, and 'B' in the third column. A line connects the 'H' in the bottom-left cell to the 'G' in the cell directly above it.

Fig. 2

Fig. 3

Fig. 4

Fig. 5

Fig. 6

Fig. 7B

Fig. 8

Fig. 8A

Fig. 9

Fig. 10

Fig. 11

Fig. 12

Fig. 13

Fig. 15

Fig. 16

Fig. 17

A = 1-1/2", 2", 2-1/2"
 B = 1", 1-1/4", 1-1/2"
 C = 1-1/4", 1-1/2", 2"
 D = 3/4", 1", 1-1/4"
 E = 3/4"
 F = 1/2"
 G = 1/2", 3/4", 1"
 H = 9/32"
 L = 1/2", 3/4"
 N = 1/2", 3/4", 1", 1-1/4", 1-1/2", 2"

P = 1-1/4", 1-1/2", 2", 2-1/2"
Q = 1"
S = 1/2", 3/4", 1", 1-1/4", 1-1/2"
T = 3-1/2", 4"
U = 1/2", 3/4", 1", 1-1/4", 1-1/2", 2",
2-1/2", 3"
V = 3/4", 1", 1-1/4", 1-1/2"
X = 1/2", 3/4", 1-1/4", 1-1/2", 2", 2-1/2"
Y = 1-1/4", 1-1/2", 2", 2-1/2", 3"
Z = 2-1/2", 3", 3-1/2", 4"

Data subject to change without notice.

Wire Range Tables

BG

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	—	1-4/0	—	2/0-4/0
Load	—	1-4/0	—	2/0-4/0
Neutral A	—	1-4/0	—	1-4/0
Neutral/Ground B	—	6-2/0	—	6-2/0
Neutral/Ground C	14-8	14-4	12-8	12-4

BJ

Connector	Copper	
	Solid	Strand
Line Meter Socket	—	6-4/0
Load Base Lugs	—	1-4/0
Neutral A	—	1-4/0
Neutral/Ground B	—	6-2/0
Neutral/Ground C	14-8	14-4

BK

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line Meter Socket	—	6-350 mcm	—	6-350 mcm
Load Base Lugs	—	1-4/0	—	1-4/0
Neutral A	—	1-4/0	—	1-4/0
Neutral/Ground B	—	6-2/0	—	6-2/0
Neutral/Ground C	14-8	14-4	12-8	12-4

BM

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	—	6-300	—	6-350
Load	—	1-300	—	1-300
Neutral A	—	1-300	—	1-300
Neutral B	—	6-2/0	—	6-2/0
Neutral C	14-8	14-1/0	12-1/0	12-1/0

BZ

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Load	—	4/0-350	—	300-500
Neutral A	—	2-600	—	2-600
Neutral B	—	6-350	—	6-350

S

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Post Line Connectors Suitable for Loop Feed	6-350 kcmil		6-350 kcmil	
Equipment Ground	12-2		12-2	

T2

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Post Line Connectors Suitable for Loop Feed	2-250 kcmil		2-250 kcmil	
Equipment Ground	12-2		12-2	

V

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	14-8	14-1/0	12-8	12-1/0
Load	—	—	—	—
Neutral - Large Hole	12-8	12-1/0	10-8	10-1/0
Neutral - Small Hole	14-8	14-4	12-8	12-4
Equipment Ground	12-8	12-2	12-8	12-2

VA

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	1/2" Stud Terminals			
Load	—	1-300	—	1-300
Neutral A	12-2	12-2	12-2	12-2
Neutral B	—	1-300	—	1-300
Neutral C	1/2" Stud Terminals			

W

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Equipment Ground	(2) 14	(2) 14	—	—
Equipment Ground	(2) 12	(2) 12	(2) 12	(2) 12
Equipment Ground	(2) 10	(2) 10	(2) 10	(2) 10
Equipment Ground	(1) 12, (1) 14	—	—	—
Equipment Ground	(1) 10, (1) 14	—	—	—
Equipment Ground	(1) 10, (1) 12	—	(1) 10, (1) 12	—
Equipment Ground	(1) 8-4	(1) 8-4	—	(1) 8-4

Z

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line	14-8	14-1/0	12-8	12-1/0
Load	14-8	14-1/0	12-8	12-1/0
Neutral - Large Hole	12-8	12-1/0	10-8	10-1/0
Neutral - Small Hole	14-8	14-4	12-8	12-4
Equipment Ground	12-8	12-2	12-8	12-2

400 Amps

Connector	Copper		Aluminum	
	Solid	Strand	Solid	Strand
Line ¹	—	—	—	—
Load 1	1-300	—	1-300	—
Neutral N1	—	1-300	—	1-300
Equipment Ground	6-2/0	6-2/0	6-2/0	6-2/0

¹ Crimp-on/connector lug is not supplied by Midwest.