

Service entrance splice

Uninsulated aluminum service entrance compression splices – ½" die series



Q1U54

Basic, uninsulated splices for service entrances.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Uninsulated aluminum service entrance compression splices – ½" die series

Cat. no.	Color	Sol.	Conductor A (AWG)			Color	Sol.	Conductor B (AWG)	
			Str.	ACSR	Str.			ACSR	
Q1U52	Green	#6	#8	-	Green	#6	#8	-	
Q1U53		#6	#8	-	Brown	#8	#10	-	
Q1U54	Blue	#4	-	#6-6/1	Blue	#4	-	#6-6/1	
Q1U55		#4	-	#6-6/1	Green	#6	#8	-	
Q1U56		#4	-	#6-6/1	Brown	#8	#10	-	
Q1U57	Orange	#2	-	#4-6/1, 7/1	Orange	#2	-	#4-6/1, 7/1	
Q1U58		#2	-	#4-6/1, 7/1	Blue	#4	-	#6-6/1	
Q1U59		#2	-	#4-6/1, 7/1	Green	#6	#8	-	
Q1U60		#2	-	#4-6/1, 7/1	Brown	#8	#10	-	
Q1U65	Red	#1	#1 & #2	#2-6/1, 7/1	Red	#1	#1 & #2	#2-6/1, 7/1	
Q1U67		#1	#1 & #2	#2-6/1, 7/1	Orange	#2	-	#4-6/1, 7/1	
Q1U68		#1	#1 & #2	#2-6/1, 7/1	Blue	#4	-	#6-6/1	
Q1U69		#1	#1 & #2	#2-6/1, 7/1	Green	#6	#8	-	
Q1U70		#1	#1 & #2	#2-6/1, 7/1	Brown	#8	#10	-	

Service entrance splices

Aluminum service entrance compression splices – U 1 B™ and CS™ 5/8" die series



U 1 B 1010



CS73

Standard 2" length compression splices.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Aluminum service entrance compression splices – U 1 B and CS 5/8" die series

U 1 B series Cat. no.	CS series Cat. no.	Color	Conductor A (AWG)			Color	Conductor B (AWG)		
			ACSR	Str.	Sol.		ACSR	Str.	Sol.
U 1 B 11	-	Brown	-	#10	#8	Brown	-	#10	#8
U 1 B 88	CS61	Green	-	#8	#6	Green	-	#8	#6
U 1 B 81	-	-	-	#8	#6	Brown	-	#10	#8
U 1 B 66	CS64	Blue	#6 (6/1)	-	#4	Blue	#6 (6/1)	-	#4
U 1 B 68	CS63	-	#6 (6/1)	-	#4	Green	-	#8	#6
U 1 B 61	CS62	-	#6 (6/1)	-	#4	Brown	-	#10	#8
U 1 B 612	-	-	#6 (6/1)	6	#4	Black	-	#12	#10
U 1 B 44	CS68	Orange	#4 (6/1, 7/1)	-	#2	Orange	#4 (6/1, 7/1)	-	#2
U 1 B 46	CS67	-	#4 (6/1, 7/1)	-	#2	Blue	#6 (6/1)	-	#4
U 1 B 48	CS66	-	#4 (6/1, 7/1)	-	#2	Green	-	#8	#6
U 1 B 41	CS65	-	#4 (6/1, 7/1)	-	#2	Brown	-	#10	#8
U 1 B 22	CS73	Red	#2 (6/1, 7/1)	#1 & #2	#1	Red	#2 (6/1, 7/1)	#1 & #2	#1
U 1 B 24	CS72	-	#2 (6/1, 7/1)	#1 & #2	#1	Orange	#4 (6/1, 7/1)	-	#2
U 1 B 26	CS71	-	#2 (6/1, 7/1)	#1 & #2	#1	Blue	#6 (6/1)	-	#4
U 1 B 28	CS70	-	#2 (6/1, 7/1)	#1 & #2	#1	Green	-	#8	#6
U 1 B 21	CS69	-	#2 (6/1, 7/1)	#1 & #2	#1	Brown	-	#10	#8
U 1 B 1010	CS78	Yellow	1/0 (6/1)	1/0	#1	Yellow	1/0 (6/1)	1/0	-
U 1 B 102	CS77	-	1/0 (6/1)	1/0	#1	Red	#2 (6/1, 7/1)	#1 & #2	#1
U 1 B 104	CS76	-	1/0 (6/1)	1/0	#1	Orange	#4 (6/1, 7/1)	-	#2
U 1 B 106	CS75	-	1/0 (6/1)	1/0	#1	Blue	#6 (6/1)	-	#4
U 1 B 108	CS74	-	1/0 (6/1)	1/0	#1	Green	-	#8	#6
-	CS84	Gray	-	2/0	-	Yellow	1/0 (6/1)	1/0	-
-	CS85	-	-	2/0	-	Gray	-	2/0	-

Service entrance splices

Insulated aluminum service entrance compression splices – U and ICS 5/8" die series (standard length, 2²⁵/₃₂" long)



URR 22



ICS73-1

For standard conductors.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized nylon sleeves resist installing-tool pressure and provide reliable 600 V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Splices have colored end caps to make identification easy
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Insulated aluminum service entrance compression splices – U and ICS 5/8" die series (standard length, 2²⁵/₃₂" long)

U series Cat. no.	ICS series Cat. no.	Color	Conductor A (AWG)						Conductor B (AWG)					
			ACSR	Str.	Sol.	Diameter (in.) Max. Min.		Color	ACSR	Str.	Sol.	Diameter (in.) Max. Min.		
UGBR 81	–	Green	–	#8	#6	0.162	0.144	Brown	–	#10	#8	0.128	0.114	
UGG 88	ICS61-1	Green	–	#8	#6	0.162	0.144	Green	–	#8	#6	0.162	0.144	
UBBR 61	ICS62-1	Blue	#6	#6	#4	0.204	0.184	Brown	–	#10	#8	0.128	0.114	
UBG 68	ICS63-1	Blue	#6	#6	#4	0.204	0.184	Green	–	#8	#6	0.162	0.144	
UBB 66	ICS64-1	Blue	#6	#6	#4	0.204	0.184	Blue	#6	#6	#4	0.204	0.184	
UOBR 41	ICS65-1	Orange	#4	#4	#2	0.258	0.213	Brown	–	#10	#8	0.128	0.114	
UOG 48	ICS66-1	Orange	#4	#4	#2	0.258	0.213	Green	–	#8	#6	0.162	0.144	
UOB 46	ICS67-1	Orange	#4	#4	#2	0.258	0.213	Blue	#6	#6	#4	0.204	0.184	
UOO 44	ICS68-1	Orange	#4	#4	#2	0.258	0.213	Orange	#4	#4	#2	0.258	0.213	
URBR 21	–	Red	#2	#1 & #2	–	0.328	0.268	Brown	–	#10	#8	0.128	0.114	
URG 28	ICS70-1	Red	#2	#1 & #2	–	0.328	0.268	Green	–	#8	#6	0.162	0.144	
URB 26	ICS71-1	Red	#2	#1 & #2	–	0.328	0.268	Blue	#6	#6	#4	0.204	0.184	
URO 24	ICS72-1	Red	#2	#1 & #2	–	0.328	0.268	Orange	#4	#4	#2	0.258	0.213	
URR 22	ICS73-1	Red	#2	#1 & #2	–	0.328	0.268	Red	#2	#1 & #2	–	0.328	0.268	
UYG 08	ICS74-1	Yellow	1/0	1/0	–	0.398	0.368	Green	–	#8	#6	0.162	0.144	
UYB 06	ICS75-1	Yellow	1/0	1/0	–	0.398	0.368	Blue	#6	#6	#4	0.204	0.184	
UYO 04	ICS76-1	Yellow	1/0	1/0	–	0.398	0.368	Orange	#4	#4	#2	0.258	0.213	
UYR 02	ICS77-1	Yellow	1/0	1/0	–	0.398	0.368	Red	#2	#1 & #2	–	0.328	0.268	
YYY 00	ICS78-1	Yellow	1/0	1/0	–	0.398	0.368	Yellow	1/0	1/0	–	0.398	0.368	

Service entrance splices

Insulated aluminum service entrance compression splices – U 1 N 5/8" die series
(longer length, 3 1/4" long)



U 1 N 106

For standard conductors.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Insulated aluminum service entrance compression splices – U 1 N 5/8" die series (longer length, 3 1/4" long)

Cat. no.	Color	Conductor A (AWG)			Color	Conductor B (AWG)		
		Sol.	Str.	ACSR		Sol.	Str.	ACSR
U 1 N 16	Brown	#8	#10	-	Green	#6	#8	-
U 1 N 11		#8	#10	-	Brown	#8	#10	-
U 1 N 12		#8	#10	-	Red	#1	#2	#2-6/1, 7/1
U 1 N 88	Green	#6	#8	-	Green	#6	#8	-
U 1 N 81		#6	#8	-	Brown	#8	#10	-
U 1 N 66	Blue	#4	-	#6-6/1	Blue	#4	-	#6-6/1
U 1 N 68		#4	-	#6-6/1	Green	#6	#8	-
U 1 N 61		#4	-	#6-6/1	Brown	#8	#10	-
U 1 N 44	Orange	#2	-	#4-6/1, 7/1	Orange	#2	-	#4-6/1, 7/1
U 1 N 46		#2	-	#4-6/1, 7/1	Blue	#4	-	#6-6/1
U 1 N 48		#2	-	#4-6/1, 7/1	Green	#6	#8	-
U 1 N 41		#2	-	#4-6/1, 7/1	Brown	#8	#10	-
U 1 N 22	Red	#1	#1 & #2	#2-6/1, 7/1	Red	#1	#1 & #2	#2-6/1, 7/1
U 1 N 24		#1	#1 & #2	#2-6/1, 7/1	Orange	#2	#3 & #4	#4-6/1, 7/1
U 1 N 26		#1	#1 & #2	#2-6/1, 7/1	Blue	#4	#5 & #6	#6-6/1
U 1 N 28		#1	#1 & #2	#2-6/1, 7/1	Green	#6	#8	-
U 1 N 21		#1	#1 & #2	#2-6/1, 7/1	Brown	#8	#10	-
U 1 N 1010	Yellow	#1	1/0	1/0-6/1	Yellow	-	1/0	1/0-6/1
U 1 N 102		#1	1/0	1/0-6/1	Red	#1	#1 & #2	#2-6/1
U 1 N 104		#1	1/0	1/0-6/1	Orange	#2	-	#4-6/1
U 1 N 106		#1	1/0	1/0-6/1	Blue	#4	-	#6-6/1
U 1 N 108		#1	1/0	1/0-6/1	Green	#6	#8	-

Service entrance splices

Insulated aluminum service entrance compression splices – U 5/8" die series
(longer length – 3 1/4" long)



For compact conductors.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized-nylon sleeves resist installing-tool pressure and provide reliable 600 V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Insulated aluminum service entrance compression splices – U 3/8" die series (longer length – 3 1/4" long)

Cat. no.	Color	Conductor A (AWG)			Color	Conductor B (AWG)			
		Str.	Compt.	Comp.		Str.	Compt.	Sol.	Comp.
U 61 BBR	Blue	#6	#6	#6	Brown	#10	-	#8	-
U 68 BG		#6	#6	#6	Green	#8	#8	-	#8
U 66 BB		#6	#6	#6	Blue	#6	#6	-	#6
U 41 OBR	Orange	#4	#4	#4	Brown	#10	-	#8	-
U 48 OG		#4	#4	#4	Green	#8	#8	-	#8
U 46 OB		#4	#4	#4	Blue	#6	#6	-	#6
U 44 OO		#4	#4	#4	Orange	#4	#4	-	#4
U 21 RBR	Red	#2	#2	#2	Brown	#10	-	#8	-
U 28 RG		#2	#2	#2	Green	#8	#8	-	#8
U 26 RB		#2	#2	#2	Blue	#6	#6	-	#6
U 24 RO		#2	#2	#2	Orange	#4	#4	-	#4
U 22 RR		#2	#2	#2	Red	#2	#2	-	#2
U 101 YBR	Yellow	1/0	1/0	1/0	Brown	#10	-	#8	-
U 108 YG		1/0	1/0	1/0	Brown	#8	#8	-	#8
U 106 YB		1/0	1/0	1/0	Blue	#6	#6	-	#6
U 104 YO		1/0	1/0	1/0	Orange	#4	#4	-	#4
U 102 YR		1/0	1/0	1/0	Red	#2	#2	-	#2
U 1010 YY		1/0	1/0	1/0	Yellow	1/0	1/0	-	1/0

Note: Sold in standard carton quantities only.

Service entrance splices

Insulated aluminum service entrance compression splices – 840 die series



X 1 N 204



IKL47

At 5½" long, these splices are ideal for heavy-duty overhead services.

- Constructed from aluminum for high conductivity
- Solid center barriers and large chamfers for easy cable insertion
- Tough stabilized-nylon sleeves resist installing-tool pressure and provide reliable 600 V insulation
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- All splices are color coded and marked with strip lengths, installation die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors
- RUS accepted

Insulated aluminum service entrance compression splices – 840 die series

X 1 N series Cat. no.	IKL series Cat. no.	Color	Conductor A (AWG)				Conductor B (AWG)				
			ACSR	Str.	Compr.	Compt.	Color	ACSR	Str.	Compr.	Compt.
X 1 N 104	IKL34	Yellow	1/0	1/0	1/0	2/0	Orange	#4	#4	#4	-
X 1 N 102	IKL35		1/0	1/0	1/0	2/0	Red	#2	#1	#1	1/0
X 1 N 1010	IKL36		1/0	1/0	1/0	2/0	Yellow	1/0	1/0	1/0	2/0
X 1 N 204	IKL44	Gray	2/0	2/0	2/0	3/0	Orange	#4	-	-	-
X 1 N 202	IKL45		2/0	2/0	2/0	3/0	Red	#2	#1	#1	1/0
X 1 N 2010	IKL46		2/0	2/0	2/0	3/0	Yellow	1/0	1/0	1/0	2/0
X 1 N 2020	IKL47		2/0	2/0	2/0	3/0	Gray	2/0	2/0	2/0	3/0
X 1 N 304	IKL54	Black	3/0	3/0	3/0	4/0	Orange	#4	-	-	-
X 1 N 302	IKL55		3/0	3/0	3/0	4/0	Red	#2	#1	#1	1/0
X 1 N 3010	IKL56		3/0	3/0	3/0	4/0	Yellow	1/0	1/0	1/0	2/0
X 1 N 3020	IKL57		3/0	3/0	3/0	4/0	Gray	2/0	2/0	2/0	3/0
X 1 N 3030	IKL58		3/0	3/0	3/0	4/0	Black	3/0	3/0	3/0	4/0
X 1 N 404	IKL64	Pink	4/0	4/0	4/0	250	Orange	#4	-	-	-
X 1 N 402	IKL65		4/0	4/0	4/0	250	Red	#2	#1	#1	1/0
X 1 N 4010	IKL66		4/0	4/0	4/0	250	Yellow	1/0	1/0	1/0	2/0
X 1 N 4020	IKL67		4/0	4/0	4/0	250	Gray	2/0	2/0	2/0	3/0
X 1 N 4030	IKL68		4/0	4/0	4/0	250	Black	3/0	3/0	3/0	4/0
X 1 N 4040	IKL69		4/0	4/0	4/0	250	Pink	4/0	4/0	4/0	250

Service entrance splices

Uninsulated aluminum service entrance compression splices – 840 die series



X 1 U 2020

Ideal for large residential and commercial service drops.

- Constructed from aluminum for high conductivity
- Solid center barriers enable quick wire positioning, proper distribution of inhibitor around the wire and current equalization on stranded conductors
- Prefilled with oxide inhibitor to prevent oxidation and keep out moisture
- Splices marked with strip lengths, die codes and compression locations, providing easy identification for easy installation
- Comply with ANSI C119.4 when properly installed on aluminum-to-aluminum or aluminum-to-copper conductors; also tested and approved for EEI installing dies
- RUS accepted

Uninsulated aluminum service entrance compression splices – 840 die series

Cat. no.	Color	Conductor A (AWG)				Conductor B (AWG)				
		Solid				Solid				
		Al	Cu	Stranded	ASCR	Al	Cu	Stranded	ASCR	
X 1 U 44	Orange	#2	#2	–	#4	Orange	#2	#2	–	#4
X 1 U 24	Red	#1	#1	#1 & #2	#2	Orange	#2	#2	–	#4
X 1 U 22		#1	#1	#1 & #2	#2	Red	#1	#1	#1 & #2	#2
X 1 U 104	Yellow	1/0, 2/0	–	1/0	1/0	Orange	#2	#2	–	#4
X 1 U102		1/0, 2/0	–	1/0	1/0	Red	#1	#1	#1 & #2	#2
X 1 U 1010		1/0, 2/0	–	1/0	1/0	Yellow	1/0 & 2/0	–	1/0	1/0
X 1 U 204	Gray	3/0	–	2/0	2/0	Orange	#2	#2	–	#4
X 1 U 202		3/0	–	2/0	2/0	Red	#1	#1	#1 & #2	#2
X 1 U 2010		3/0	–	2/0	2/0	Yellow	1/0 & 2/0	–	1/0	1/0
X 1 U 2020		3/0	–	2/0	2/0	Gray	3/0	–	2/0	2/0
X 1 U 304	Black	4/0	–	3/0	3/0	Orange	#2	#2	–	#4
X 1 U 302		4/0	–	3/0	3/0	Red	#1	#1	#1 & #2	#2
X 1 U 3010		4/0	–	3/0	3/0	Yellow	1/0 & 2/0	–	1/0	1/0
X 1 U 3020		4/0	–	3/0	3/0	Gray	3/0	–	2/0	2/0
X 1 U 3030		4/0	–	3/0	3/0	Black	4/0	–	3/0	3/0
X 1 U 404	Pink	–	–	4/0	4/0	Orange	#2	#2	–	#4
X 1 U 402		–	–	4/0	4/0	Red	#1	#1	#1 & #2	#2
X 1 U 4010		–	–	4/0	4/0	Yellow	1/0 & 2/0	–	1/0	1/0
X 1 U 4020		–	–	4/0	4/0	Gray	3/0	–	2/0	2/0
X 1 U 4030		–	–	4/0	4/0	Black	4/0	–	3/0	3/0
X 1 U 4040		–	–	4/0	4/0	Pink	–	–	4/0	4/0

Note: When using EEI 11A die, space compressions $\frac{1}{8}$ " apart.

When installing with UT 5 tool, use H5 (upper) and H6 (lower) dies. When installing with a hydraulic tool, use 76 (2) die.

Service entrance splices

Uninsulated aluminum service entrance compression splices – 840 die series
(continued)

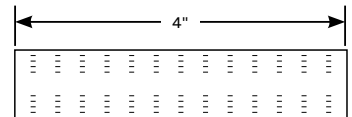


X1U2020

Uninsulated aluminum service entrance compression splices – 840 die series (continued)

Cat. no.	Color	Conductor A (AWG or kcmil)				Conductor B (AWG or kcmil)				
		Solid		Stranded	ASCR	Color	Solid		Stranded	ASCR
		Al	Cu				Al	Cu		
X 1 U 266	Blue	350	-	250-266.8	266.8	Blue	350	-	250-266.8	266.8
X 1 U 2664		350	-	250-266.8	266.8	Orange	#2	#2	#3 & #4	#4
X 1 U 2662		350	-	250-266.8	266.8	Red	#1	#1	#1 & #2	#2
X 1 U 26610		350	-	250-266.8	266.8	Yellow	1/0 & 2/0	-	1/0	1/0
X 1 U 26620		350	-	250-266.8	266.8	Gray	3/0	-	2/0	2/0
X 1 U 26630		350	-	250-266.8	266.8	Black	4/0	-	3/0	3/0
X 1 U 26640		350	-	250-266.8	266.8	Pink	-	-	4/0	4/0
X 1 U 336	Brown	397.5-400	-	300-350	336.4 (18/1)	Brown	397.5-400	-	300-350	336.4 (18/1)
X 1 U 3364		397.5-400	-	300-350	336.4 (18/1)	Orange	#2	#2	#3 & #4	#4
X 1 U 3362		397.5-400	-	300-350	336.4 (18/1)	Red	#1	#1	#1 & #2	#2
X 1 U 33610		397.5-400	-	300-350	336.4 (18/1)	Yellow	1/0 & 2/0	-	1/0	1/0
X 1 U 33620		397.5-400	-	300-350	336.4 (18/1)	Gray	3/0	-	2/0	2/0
X 1 U 33630		397.5-400	-	300-350	336.4 (18/1)	Black	4/0	-	3/0	3/0
X 1 U 33640		397.5-400	-	300-350	336.4 (18/1)	Pink	-	-	4/0	4/0
X 1 U 33626	397.5-400	-	300-350	336.4 (18/1)	Blue	350	-	250-266.8	266.8	

Diagram



Note: When using EEI 11A die, space compressions $\frac{1}{8}$ " apart.
When installing with UT 5 tool, use H5 (upper) and H6 (lower) dies. When installing with a hydraulic tool, use 76 (2) die.