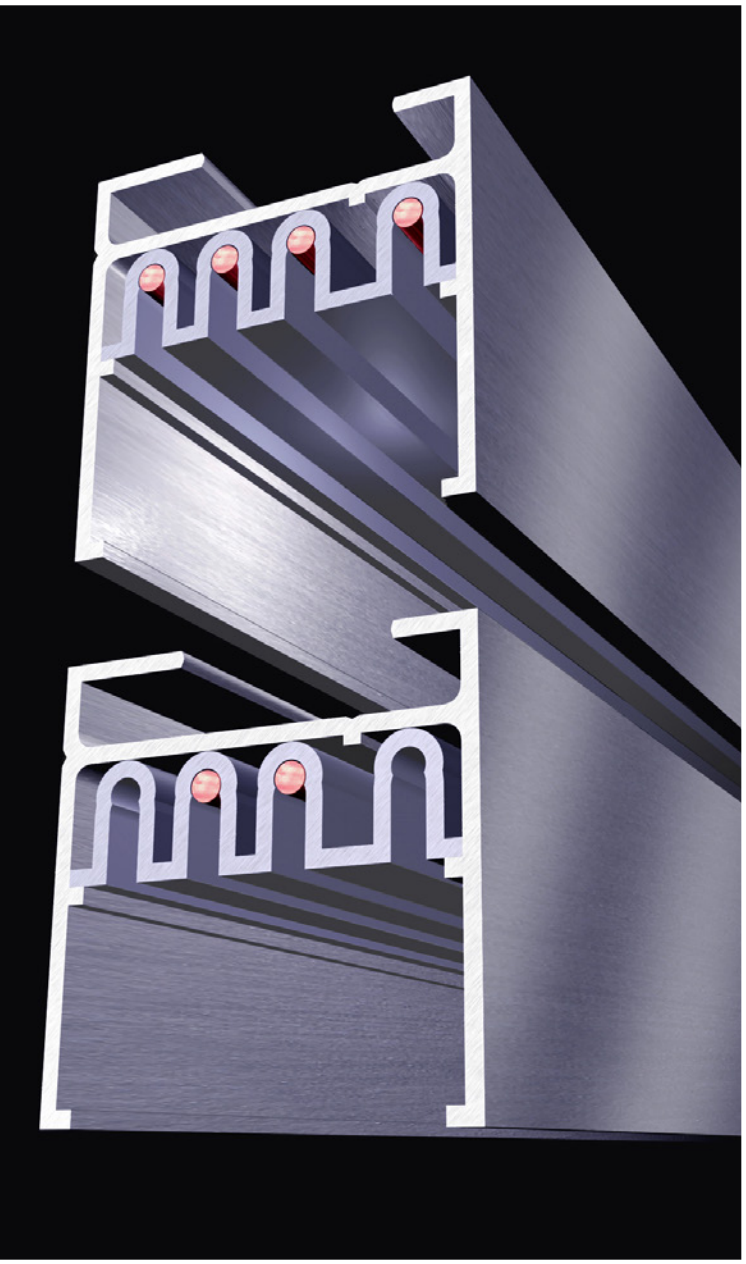
TRACK BUSWAY
PRODUCT SELECTION GUIDE



Starline®
A brand of legrand®

40-50-60T1 US SYSTEMS

SPECS & INTRODUCTION

Specs

This specification covers the electrical characteristics and general requirements for a track busway system, hereafter referred to as (Track Busway or busway). The system shall be designed primarily for overhead distribution of electrical power. Supporting designated work areas and equipment. Once installed the busway will provide a simple, versatile, fast and economic means of distributing power. Loads fed from a variety of plug-in units can be easily added or removed without shutting power down to the busway.

Track Busway shall be designed and manufactured to the following standards:

1. Underwriters Laboratories Standard, UL 857 – The common UL, CSA, and ANCE Standard for Busways that is derived from the fifth edition of CSA Standard C22.2 No. 27, the twelfth edition of UL 857, and the second edition of NMX-J-148-1998-ANCE.

*All standards and certifications available upon request

Introduction

Starline is the leader in electrical power distribution in the mission critical, commercial and light industrial industries with Starline Track Busway. This system was designed to meet the rugged specification of the UL857, Busway and Associated Fittings, with the flexible features of track lighting - and is available in systems with 40, 50 & 60 amps with isolated ground.

It is the simple, versatile, fast and economical solution for supplying power to electrical loads and is unique because the busway can be instantly tapped at any location, with a variety of plug-in units.

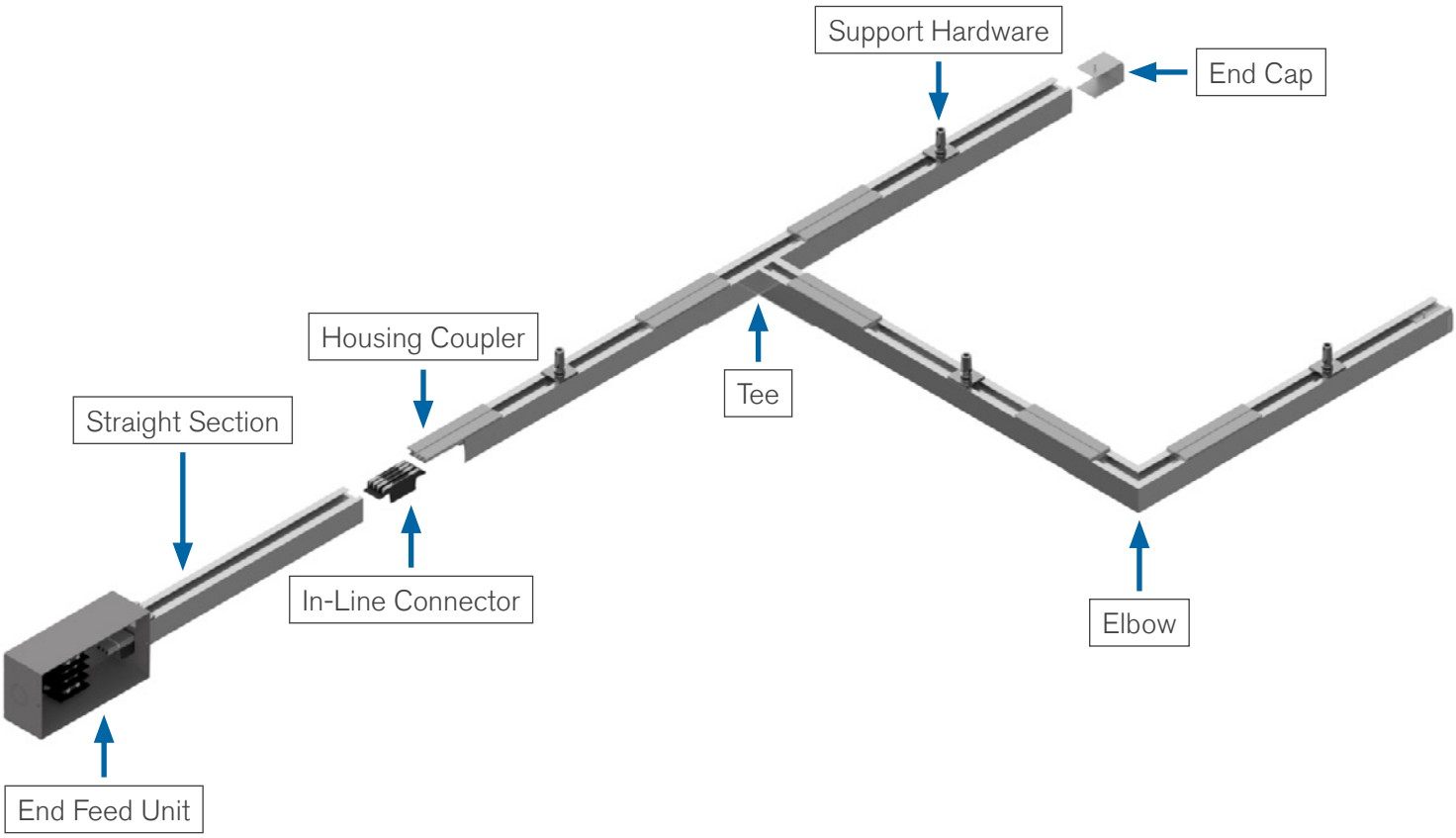
The Product Selection Guide was developed to help the design engineer understand and consider all of the options available with Starline Track Busway when designing a system.

This guide is all-inclusive; however, Starline excels at collaborating with design engineers to provide solutions for any application. If you have a need that is not found in this guide, please contact us at **1-800-245-6378** or email us at **info@starlinepower.com**. We will be happy to answer your questions over the telephone or schedule a visit with one of our local representatives.

Also, if viewing this guide in print, please keep in mind that this is a working document. Starline reserves the right to change information and descriptions of listed services and products. The latest version of this guide is available for download at **downloads.starlinepower.com**.

TABLE OF CONTENTS

SYSTEM LAYOUT DRAWING



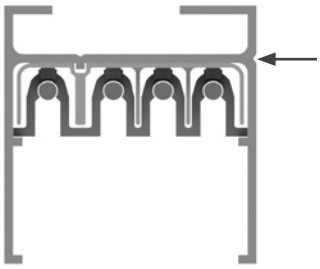
Plug-In Units
For further information on applicable T1 plug-in unit options, please consult the factory.

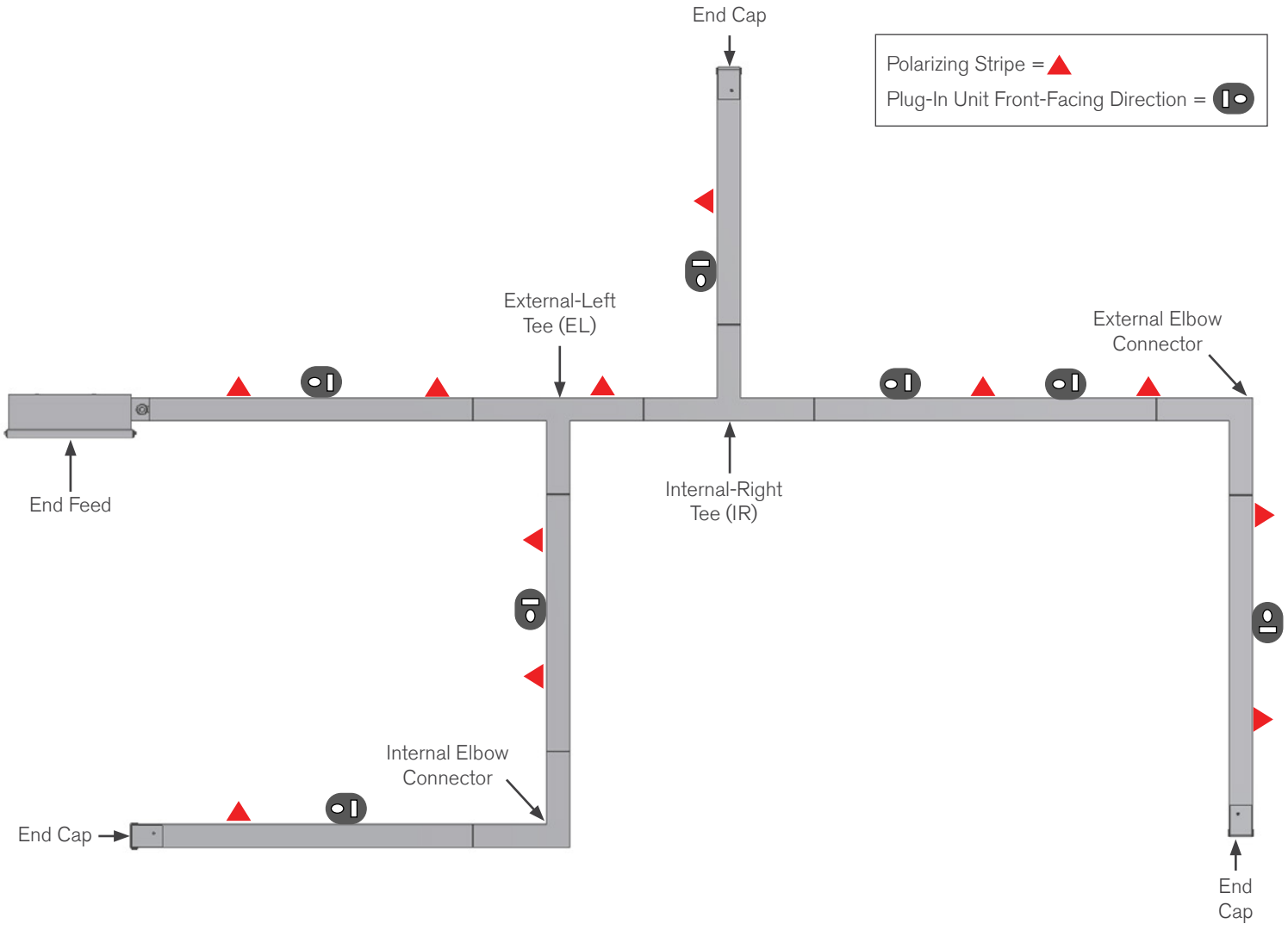
POLARITY TIPS

Starline utilizes a unique polarizing method to prevent mismatched components from being inadvertently connected to each other. The system is designed to prevent cross phasing during installation.

It is particularly important to understand this design concept prior to ordering and/or installing some components.

For example, if the face direction of a Starline plug-in unit is important in your installation consider that they will always face the side with the polarizing stripe.





SYSTEM LAYOUT TIPS

Power Feeds
Determine location of power feeds based on relation to power source, existing feeders and voltage drop concerns for longer runs.

Support Hardware
Support hardware is spaced no more than 10 feet apart. Refer to **page 1.26** for support hardware details. Contact your local Starline applications engineer for any questions.

Installation
Printed installation drawings are supplied with each system shipment and they are also available for download online at **downloads.starlinepower.com**. CAD files of these drawings are also available by contacting your local Starline applications engineer.

Busway Housing Sections
Standard busway lengths are available in 20, 10 and 5-foot increments. Although the factory can cut individual Starline Track Busway sections to any length under 20 feet, it is highly recommended to keep all layout runs in increments of 5 feet to simplify layout and installation. Custom lengths can be made but can increase lead time and make layout and installation a bit more complex.

Busway Tees and Elbows Sections
Try to keep all runs as straight as possible as tees and elbows are added cost. With grid or any other bidirectional applications, there is a choice of two-plane with each direction on a separate plane or using cross sections if single-plane is required. Single-plane applications can provide power in both directions as well as parallel runs.

Length of Busway for a One Volt Drop in Line to Line Voltage:			
SYSTEM DESIGNATION	DISTRIBUTED LOAD	VOLTAGE DROP @ 0.8 PF Single Phase	VOLTAGE DROP @ 0.8 PF Three Phase
40T1	40 amps	36 ft	63 ft
50T1	50 amps	29 ft	50 ft
60T1	60 amps	29 ft	51 ft

COMPONENT RELATIONSHIP TIPS

When ordering material, it is important to understand the relationship between various components.

Examples

- Each straight section requires a connector and coupler.
- Three Housing Couplers (HC) are needed for each Tee Connector.
- General support hardware rule to follow:

10 feet maximum spacing between supports and we recommend 10% more than the required quantity to cover potential layout changes.

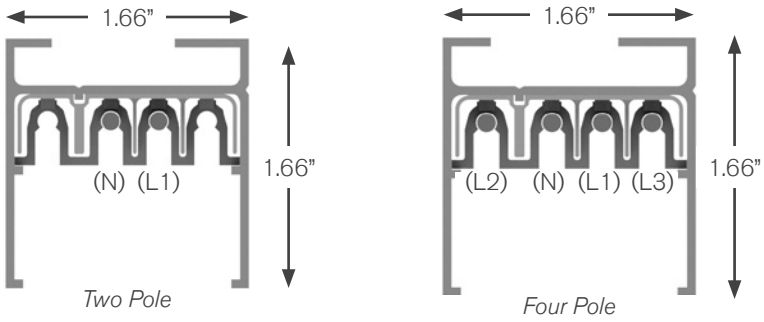
- Total Power Feeds and End Caps can be determined by counting the total number of unconnected runs.
- Before specifying or ordering Elbow or Tee connectors, it is important to understand polarity and the relationship to direction of outlets. Please refer to **page 1.3 Polarity Tips** for more detail.

STRAIGHT SECTIONS

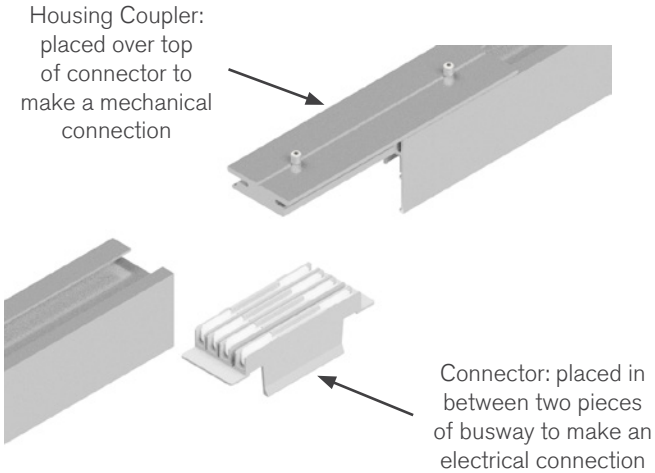
Product Description
Track Busway straight sections consist of an extruded aluminum shell with insulated copper conductor strips mounted on the top interior wall. The aluminum housing acts as a 100% ground path and each straight section has an open access slot over its entire length for the insertion of snap-in plug-in units. Housing configurations include 2 and 4 pole varieties, 480/277 Volts max. Track Busway straights are connected together using a joint kit, which includes an in-line connector and housing coupler (found under Accessories).

Sections are supported every 10 feet maximum and can support 75 pounds hanging weight between vertical supports. Four-pole busway is normally used in 3-phase/4-wire power systems. Four-pole busway may be used for 2 independent single-phase circuits at different voltages. Sections can be factory cut to any length.

Weight
10 ft 40 Amp, 2 or 4 pole: 7/8 lbs
10 ft 50 Amp, 2 or 4 pole: 7/8 lbs
10 ft 60 Amp, 2 or 4 pole: 8/9 lbs



L1 = Black
L2 = Red
L3 = Blue
N = White or Beige



STRAIGHT SECTIONS: RECESSED

Product Description
T1 housing is also available in a slightly different design, specifically tailored for busway that is meant to be installed recessed into a suspended ceiling.

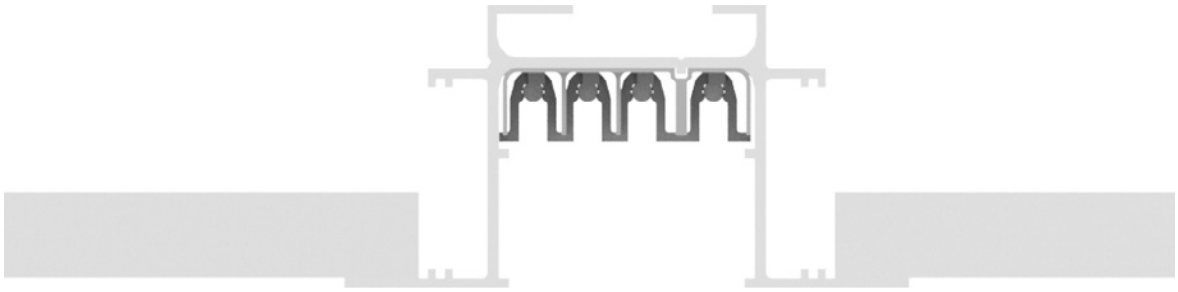
Busway straight sections are available in 20, 10, and 5 foot lengths for two standard drop or suspended ceiling configurations.

For recessed housing, please choose 'R1' as opposed to 'T1' in your product number.

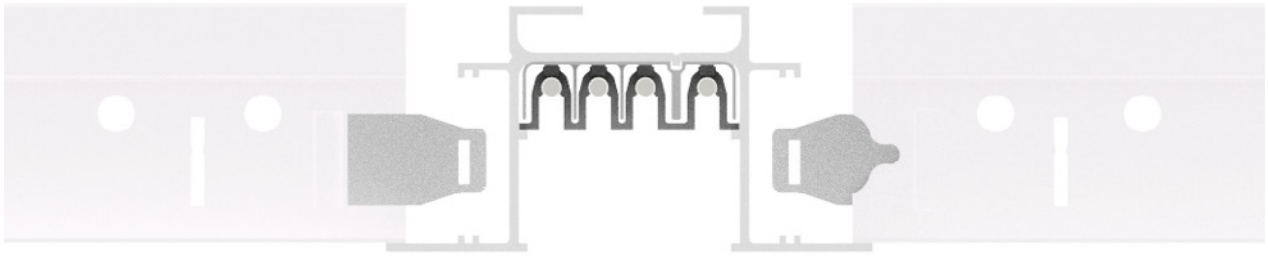
*refer to **page 1.8** option 4. Compatibility *(frame compatibility)*

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)



Dry Wall Installation



Standard and Regular Tile Installation

STRAIGHT SECTIONS: PRODUCT NUMBERS

U	S	040	T1	C	4	S	-	0200	C
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Straight	9. Busway

- **STD0**

10. Paint Color

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

S	Straight Section

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard

8. Straight Length *(length of section)*

XXYY	XX=feet, YY=inches

9. Busway Access *(how plugs access the busway)*

C	Continuous

10. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

US060T1C4S-0906C-STD0 *= US System, Straight Section, 60 amps, T1 System, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, 9 foot - 6 inch Straight Length, Continuous Busway Access, Factory Mill Finish*

US040R1C2S-0500C-PA50 *= US System, Straight Section, 40 amps, T1 System-R1 Recessed Housing, Copper Conductor, 1 Phase plus Neutral, Standard Polarization- 5 foot Straight Length, Continuous Busway Access, Painted RAL 3005*

ELBOW SECTIONS

Product Description
Factory pre-assembled elbow sections are used for making a 90-degree turn. Elbows are connected to busway sections electrically by means of built-in bus connectors. Connectors are installed by “snapping” into position with housing section butted together. Connectors are polarized to prevent phase mismatch. Housings are then mechanically joined via couplers (found in Accessories section).

Dimensions below are 6 inches from center to center, not end to end.

Weight
.5 lbs

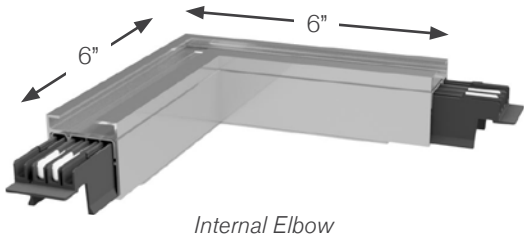
*Elbows are offered with various 'Turning Direction' options:

Internal (IN)
External (EX)
*see below

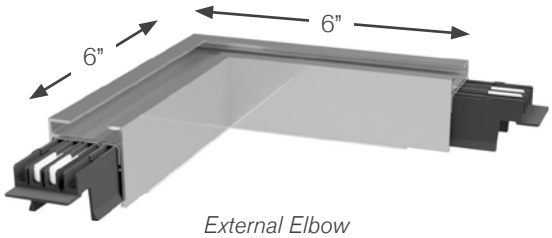
Non-Populated (NP)
*contains bus connectors but with no copper running through

Internal-Housing Only (IH)
External-Housing Only (EH)
*contains no bus connectors or copper running through

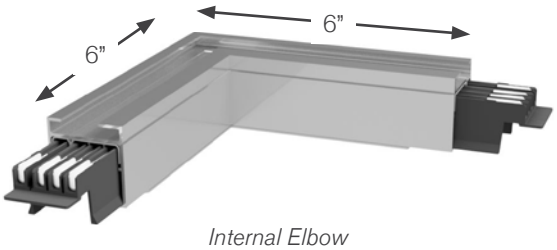
Internal-Feed (IF)
External-Feed (EF)
*comes with a hole in the top to feed wiring



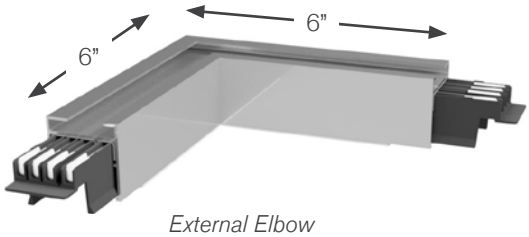
Internal Elbow
2-pole



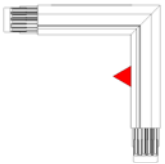
External Elbow
2-pole



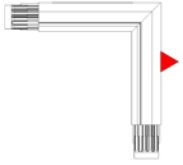
Internal Elbow
4-pole



External Elbow
4-pole


Internal Elbow

▲ = Polarizing Stripe


External Elbow

ELBOW SECTIONS: PRODUCT NUMBERS

U	E	040	T1	C	4	S	-	IN
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Turning Direction

- **STD0**

9. Paint Color

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

E	Elbow Section

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard

8. Turning Direction *(direction of section polarizing stripe)*

IN	Internal	**EX**	External
NP	Non-Populated	**IH**	Internal-Housing Only
EH	External-Housing Only	**IF**	Internal-Feed
EF	External-Feed		

9. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

UE060R1C4S-IN-BLK0 *= US System, Elbow Section, 60 amps, T1 System-R1 Recessed Housing, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, Internal Turning Direction, Painted Factory Black*

UE050T1C2S-EH-STD0 *= US System, Elbow Section, 50 amps, T1 System, Copper Conductor, 1 Phase plus Neutral, Standard Polarization, External Turning Direction Housing Only, Factory Mill Finish*

TEE SECTIONS

Product Description
Similar to elbow connectors, tee connectors are used for connecting branch housing sections at 90 degrees to the main run. Please be aware of polarization issues before making your final selection (refer to **page 1.3 Polarity Tips**).

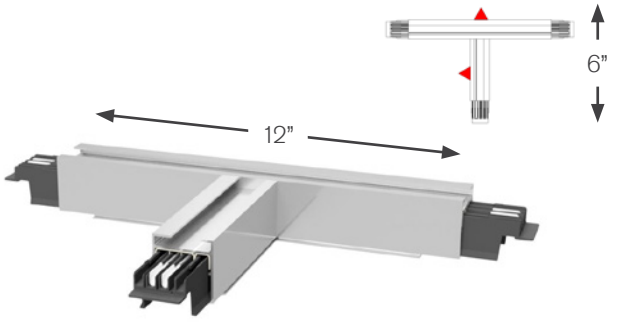
Tees are electrically connected to sections of 40/50/60 amp busway by means of built-in bus connectors. Connectors are installed by “snapping” into position with housing section butted together. Connectors are polarized to prevent phase mismatch. Housings are then mechanically joined via couplers, ordered separately.

*Tees are offered with various 'Turning Direction' options:

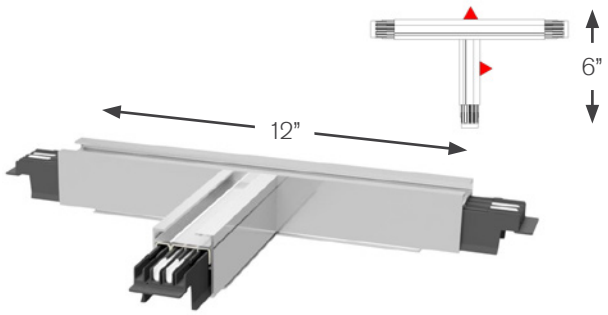
Internal-Left (IL)
Internal-Right (IR)
External-Left (EL)
External-Right (ER)
*see below

Non-Populated (NP)
*contains bus connectors but with no copper running through

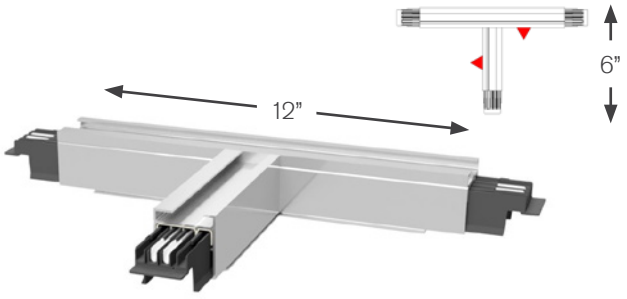
Weight
1 lb



2-Pole:
External-Left
(EL)

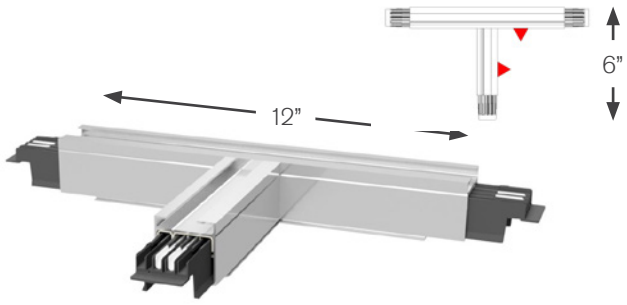


2-Pole:
External-Right
(ER)



2-Pole:
Internal-Left
(IL)

▲ = Polarizing Stripe



2-Pole:
Internal-Right
(IR)

TEE SECTIONS

Product Description
Similar to elbow connectors, tee connectors are used for connecting branch housing sections at 90 degrees to the main run. Please be aware of polarization issues before making your final selection (refer to **page 1.3 Polarity Tips**).

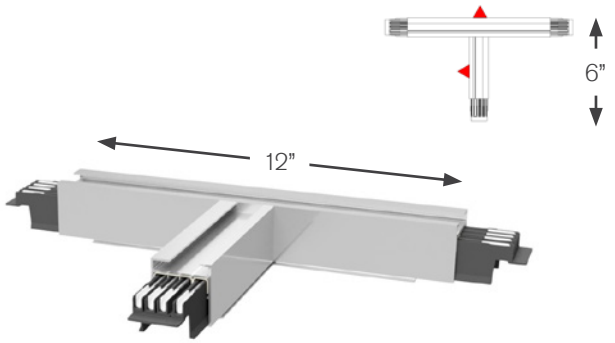
Tees are electrically connected to sections of 40/50/60 amp busway by means of built-in bus connectors. Connectors are installed by “snapping” into position with housing section butted together. Connectors are polarized to prevent phase mismatch. Housings are then mechanically joined via couplers, ordered separately.

Weight
1 lb

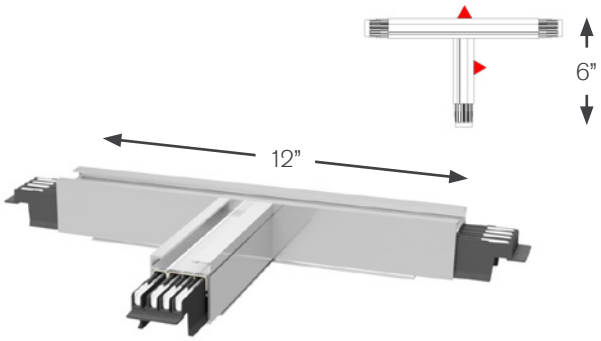
*Tees are offered with various 'Turning Direction' options:

Internal-Left (IL)
Internal-Right (IR)
External-Left (EL)
External-Right (ER)
*see below

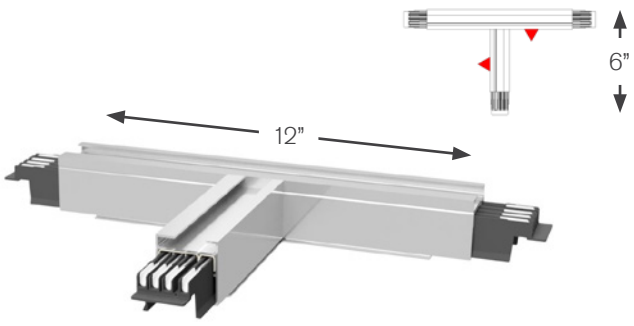
Non-Populated (NP)
*contains bus connectors but with no copper running through



4-Pole:
External-Left
(EL)

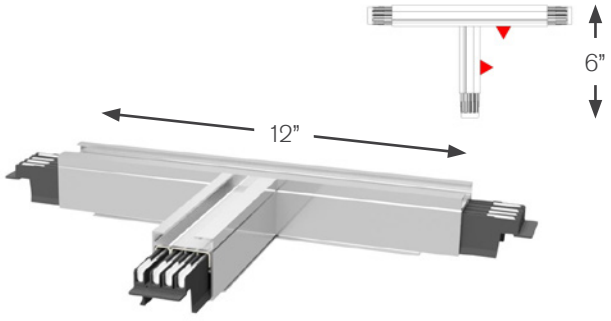


4-Pole:
External-Right
(ER)



4-Pole:
Internal-Left
(IL)

▲ = Polarizing Stripe



4-Pole:
Internal-Right
(IR)

TEE SECTIONS: PRODUCT NUMBERS

U	T	040	T1	C	4	S	-	IR
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Turning Direction

-	STD0
	9. Paint Color

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

T	Tee Section

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard

8. Turning Direction *(direction of section polarizing stripe)*

IL	Internal-Left	**EL**	External-Left
IR	Internal-Right	**ER**	External-Right
NP	Non-Populated		

9. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

UT060T1C4S-IR-RED0 *= US System, Tee Section, 60 amps, T1 System, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, Internal-Right Turning Direction, Painted Factory Red*

UT040R1C2S-EL-STD0 *= US System, Tee Section, 40 amps, T1 System-R1 Recessed Housing, Copper Conductor, 1 Phase plus Neutral, Standard Polarization, External-Left Turing Direction, Factory Mill Finish*

CROSS SECTIONS

Product Description
Similar to tee connectors, crosses are typically used for grid designs. Please be aware of polarization issues before making your final selection (refer to **page 1.3 Polarity Tips**).

Crosses are electrically connected to sections of 40/50/60 amp busway by means of built-in bus connectors. Connectors are installed by “snapping” into position with housing section butted together. Connectors are polarized to prevent phase mismatch. Housings are then mechanically joined via couplers, ordered separately.

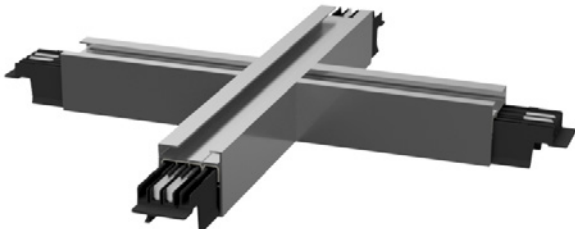
Weight
1.5 lbs

*Crosses are offered with various 'Turning Direction' options:

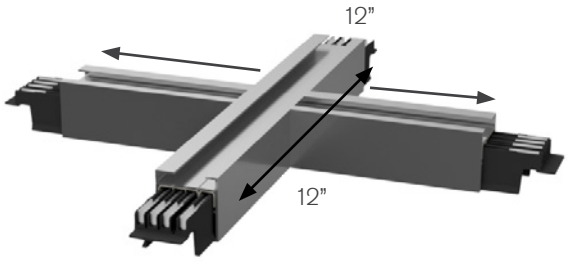
Standard (ST)
*see below

Internal (IN)
External (EX)
Internal-Left (IL)
Internal-Right (IR)
External-Left (EL)
External-Right (ER)
*For structural configuration, empty legs of the cross may be ordered.
Please consult your applications engineer.

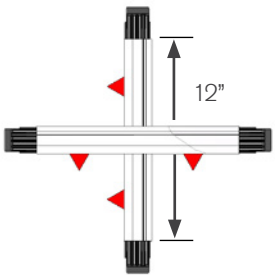
Non-Populated (NP)
*contains bus connectors but with no copper running through



2-pole cross



4-pole cross



Standard (ST)

▲ = Polarizing Stripe

CROSS SECTIONS: PRODUCT NUMBERS

U	X	040	T1	C	4	S	-	ST
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Turning Direction

- **STD0**

9. Paint Color

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

X	Cross Section

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard

8. Turning Direction *(direction of section polarizing stripe)*

ST	Standard	**NP**	Non-Populated
IL	Internal-Left	**IR**	Internal-Right
EL	External-Left	**ER**	External-Right

9. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

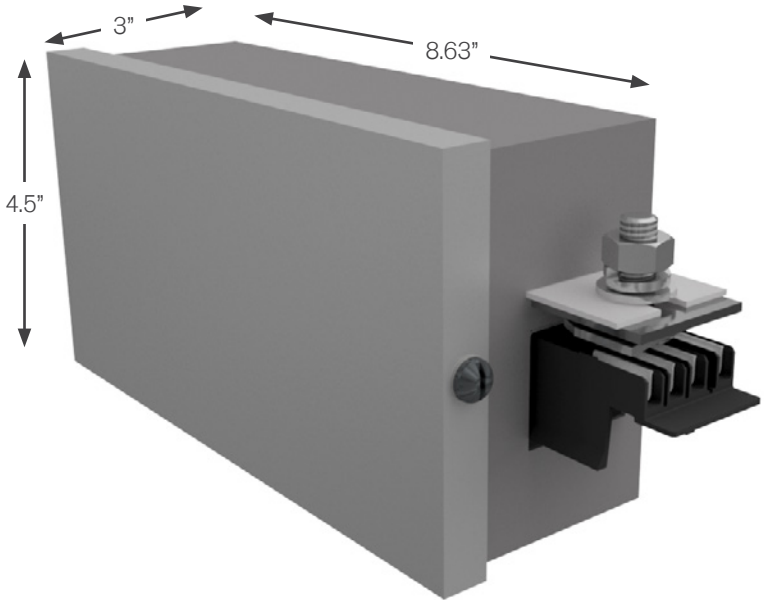
UX050T1C4S-NP-RED0 *= US System, Cross Section, 50 amps, T1 System, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, Non-Populated Turning Direction, Painted Factory Red*

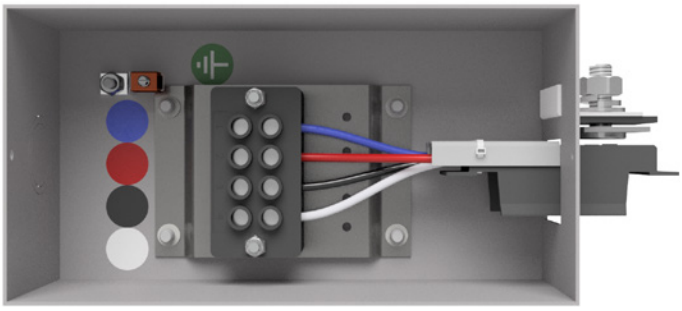
UX060R1C2S-IL-STD0 *= US System, Cross Section, 60 amps, T1 System-R1 Recessed Housing, Copper Conductor, 1 Phase plus Neutral, Standard Polarization, Internal-Left Turning Direction, Factory Mill Finish*

END FEED UNITS

Product Description
An end feed unit consists of a steel junction box with a removable side, a connector to insert into the busway run and terminal block for field connections. The unit is bolted to the first busway section.

Weight
3.3 lbs





Internal View

END FEED UNITS: PRODUCT NUMBERS

U	F	040	T1	C	4	S	-	S	R	S	N
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Lug/Box Options	9. Lid Orientation	10. Accessories Package	11. Accessories Location

LL	-	STD0	*Optional
*12. System		13. Paint Color	

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

F	End Feed

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard	**R**	Reversed

8. Lug/Box Options *(standard/double/bolt lugs and box size)*

S	Standard lugs, Standard box

9. Lid Orientation *(from the terminal, side with removable lid)*

R	Right

10. Accessories Package *(optional accessories for feed units)*

S	Standard

11. Accessories Location *(from the terminal, side with accessory)*

N	None (N/A)

***12. System** *(line to line or line to neutral system)*

LL	Line to Line	**LN**	Line to Neutral

**LL & LN specification required only when ordering a 2-pole system (reference option 6. Neutral/Ground Busbar)*

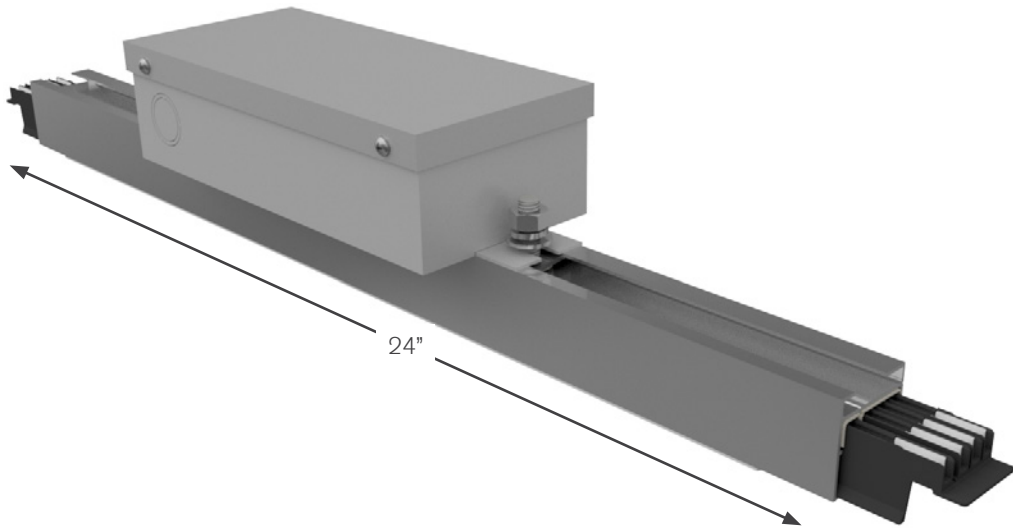
13. Paint Color *(allows painting of the busway housing)*

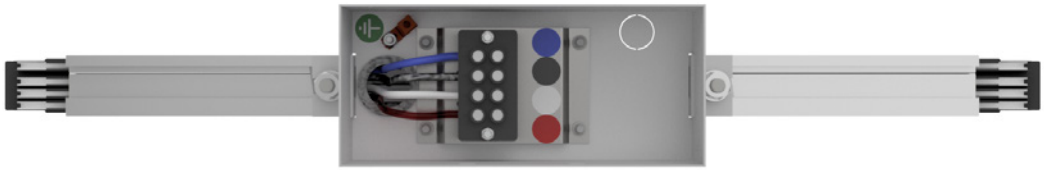
STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLE
UF040T1C4R-SRSN-BLU0 *= US System, End Feed, 40 amps, T1 System, Copper Conductor, 3 Phase plus Neutral, Reversed Polarization, Standard Lugs, Standard Box, Right lid Orientation, Standard Accessory Package, No Accessories Location, Painted Factory Blue*

ABOVE FEED UNITS

Weight
5 lbs





Internal View

ABOVE FEED UNITS: PRODUCT NUMBERS

U	A	040	T1	C	4	S	-	S	N	S	N
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Lug/Box Options	9. Lid Orientation	10. Accessories Package	11. Accessories Location

-	0200	C	012	-	LL	-	STD0	*Optional
	12. Straight Length	13. Busway Access	14. Feed Location		*15. System		16. Paint Color	

1. System *(standard of measure)*

U US

2. Product Type *(section component)*

A Above Feed

3. Product Frame *(maximum amperage)*

040 40 amps
050 50 amps
060 60 amps

4. Compatibility *(frame compatibility)*

T1 T1 System
R1 T1 System (Recessed Housing)

5. Material *(busbar material)*

C Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4 3 Phase plus Neutral
2 1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S Standard
R Reversed

8. Lug/Box Options *(standard/double/bolt lugs and box size)*

S Standard lugs, Standard box

9. Lid Orientation *(from the terminal, side with removable lid)*

N None (N/A)

10. Accessories Package *(optional accessories for feed units)*

S Standard

11. Accessories Location *(from the terminal, side with accessory)*

N None (N/A)

12. Straight Length *(length of section)*

0200 2 feet

13. Busway Access *(how plugs access the busway)*

C Continuous

14. Feed Location *(location of the center of the top feed)*

012 12 inches

***15. System** *(line to line or line to neutral system)*

LL Line to Line
LN Line to Neutral

**LL & LN specification required only when ordering a 2-pole system (reference option 6. Neutral/Ground Busbar)*

16. Paint Color *(allows painting of the busway housing)*

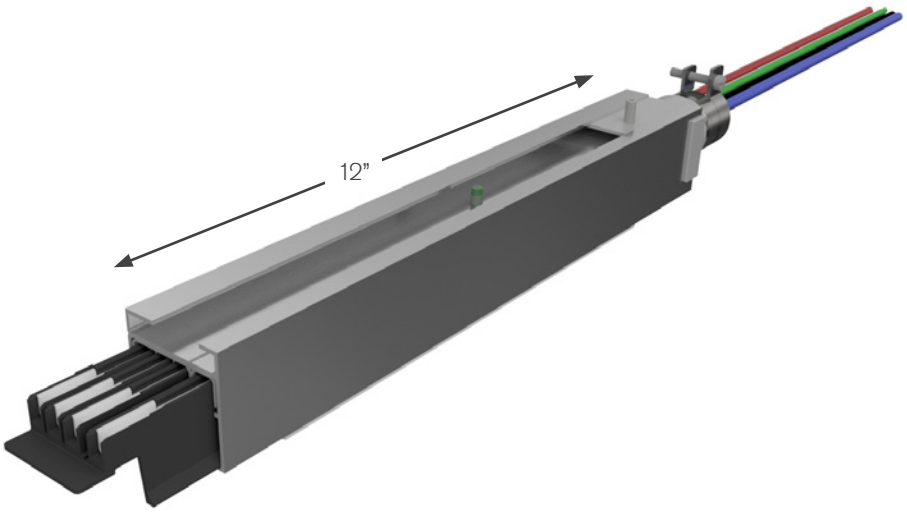
STD0 Factory Mill Finish
RED0 Paint Factory Red
BLK0 Paint Factory Black
BLU0 Paint Factory Blue
WHT0 Paint Factory White
****RAL (please see page 1.24)**

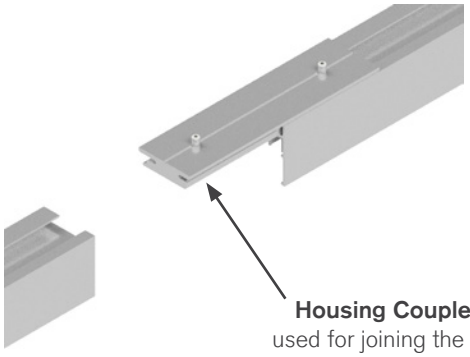
EXAMPLE
UA060T1C2S-SNSN-0200C012-LN-WHT0 *= US System, Above Feed, 60 amps, T1 System, Copper Conductor, 1 Phase plus Neutral, Standard Polarization, Standard Lugs, Standard Box, No Lid Orientation, Standard Accessory Package, No Accessories Location- 2 foot Straight Length, Continuous Busway Access, 12 inch Feed Location, Line to Neutral System, Painted Factory White*

END FEED CONNECTOR UNITS

Product Description
An end feed connector provides an inconspicuous way to connect to power. It consists of a 1 foot section of busway with connector mounted inside and wire lead exiting through the end cap. A 1 inch conduit mounting adapter is included. A housing coupler (ordered separately) is used to connect to the busway section.

Weight
2 lbs





Housing Coupler: used for joining the end feed connector with a busway housing section (**page 1.28 Connection Accessories**)

END FEED CONNECTOR UNITS: PRODUCT NUMBERS

U	C	040	T1	C	4	S	-	024
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		8. Wire Length

LL	-	STD0	*Optional
*9. System		10. Paint Color	

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

C	End Feed Connector

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard	**R**	Reversed

8. Wire Length *(total length of wire in inches)*

024	24 inches	**048**	48 inches
072	72 inches	**096**	96 inches

*9. System *(line to line or line to neutral system)*

LL	Line to Line	**LN**	Line to Neutral

**LL & LN specification required only when ordering a 2-pole system (reference option 6. Neutral/Ground Busbar)*

10. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

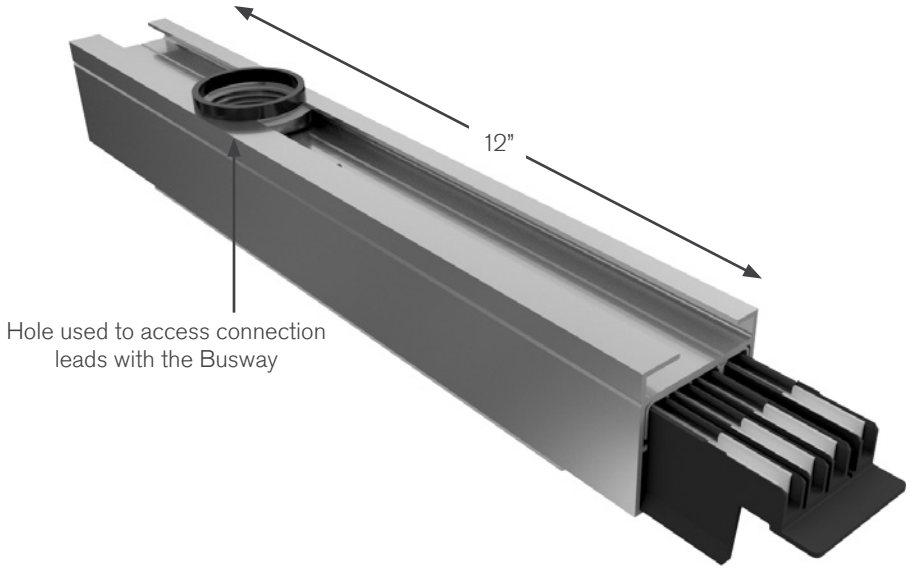
UC050T1C2R-048-LN-RED0 *= US System, End Feed Connector, 50 amps, T1 System, Copper Conductor, 1 Phase plus Neutral, Reversed Polarization, 48 inch Wire Length, Line to Neutral System, Painted Factory Red*

UC060R1C4S-072-STD0 *= US System, End Feed Connector, 60 amps, T1 System-R1 Recessed Housing, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, 72 inch Wire Length, Factory Mill Finish*

PENDANT FEED UNITS

Product Description
A Pendant Feed consists of a 1 foot busway section with a 1 inch conduit size access hole for access to connection leads inside the busway. A 1 inch conduit mounting adapter is included.

Weight
2 lbs



PENDANT FEED UNITS: PRODUCT NUMBERS

U	P	040	T1	C	4	S	-	LL
1. System	2. Product Type	3. Product Frame	4. Compatibility	5. Material	6. Neutral/ Ground Busbar	7. Polarization		*8. System

- **STD0** **Optional*

9. Paint Color

1. System *(standard of measure)*

U	US

2. Product Type *(section component)*

P	Pendant Feed

3. Product Frame *(maximum amperage)*

040	40 amps	**050**	50 amps
060	60 amps		

4. Compatibility *(frame compatibility)*

T1	T1 System	**R1**	T1 System (Recessed Housing)

5. Material *(busbar material)*

C	Copper

6. Neutral/Ground Busbar *(size of neutral busbar and/or ground)*

4	3 Phase plus Neutral	**2**	1 Phase plus Neutral

7. Polarization *(orientation of section for mating purposes)*

S	Standard	**R**	Reversed

***8. System** *(Line to Line or Line to Neutral System)*

LL	Line to Line	**LN**	Line to Neutral

**LL & LN specification required only when ordering a 2-pole system (reference option 6. Neutral/Ground Busbar)*

9. Paint Color *(allows painting of the busway housing)*

STD0	Factory Mill Finish	**RED0**	Paint Factory Red
BLK0	Paint Factory Black	**BLU0**	Paint Factory Blue
WHT0	Paint Factory White	****RAL (please see page 1.24)**	

EXAMPLES

UP040R1C2R-LL-PH50 *= US System, Pendant Feed, 40 amps, T1 System-R1 Recessed Housing, Copper Conductor, 1 Phase plus Neutral, Reversed Polarization, Line to Line System, Painted RAL 5015*

UP060T1C4S-STD0 *= US System, Pendant Feed, 60 amps, T1 System, Copper Conductor, 3 Phase plus Neutral, Standard Polarization, Factory Mill Finish*

RAL COLORS

1st Character

P	Paint

2nd Character

0	100
1	101
2	102
3	103
4	200
5	201
A	300
B	301
C	302
D	303
E	400
F	401
G	500
H	501
J	502
K	600
L	601
M	602
N	603
P	700
Q	701
R	702
S	703
T	704
U	800
V	801
W	802
X	900
Y	901
Z	902

3rd Character

0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9

4th Character

0	0

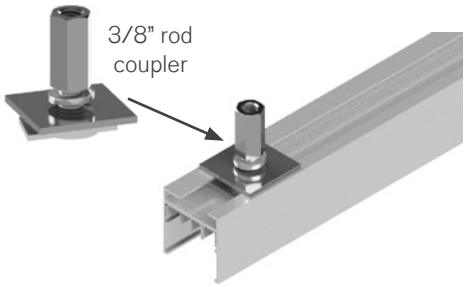
Example:

P B 2 0 = Paint RAL 3012

ACCESSORIES: SUPPORT HARDWARE

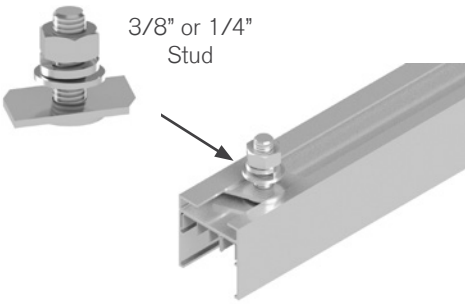
Threaded Rod
For mounting to 3/8 - 16 threaded rod. Can be inserted anywhere along the top full-access slot of busway. Hanger support is required every 10 feet maximum.

Part Number
URHB-3
Available in plain zinc
or black (-BLK)
Weight
.3 lb



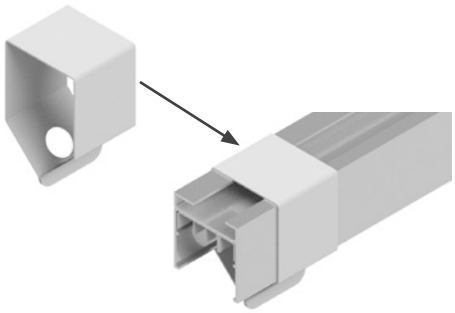
Standard
For mounting to strut or other flat surfaces. Twist-in design allows inserting anywhere along the top full-access slot on the busway. Hanger support is required every 10 feet maximum.

Part Number
UTHB-3 (3/8")
UTHB-1/4 (1/4")
Available in plain zinc
or black (-BLK)
Weight
.2 lb



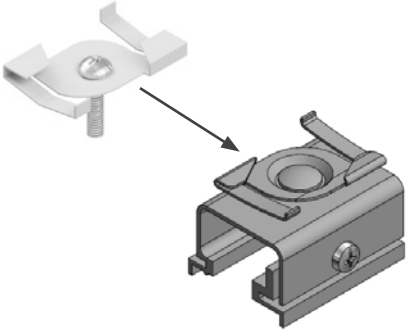
Weight Hook Adapter
Can be used as a hanger to suspend the busway from chains or cables. Can also be used to hang loads of up to 50 pounds under the busway, such as light fixtures, tools and balancers.

Part Number
UWHRT1
Available in plain zinc
or black (-BLK)
Weight
.2 lb



T-Bar Suspended Ceiling
For mounting to an inverted T-bar. The clip locks onto T-bar and the busway is connected to the stud on the clip. T-bar is mounted with surface clip. Maximum spacing is 5 feet.

Part Number
UTHB-5
Available in plain zinc
Weight
.1 lb



ACCESSORIES: SUPPORT HARDWARE

Surface Mount
For mounting to a surface. Comes with a 7/32 inch hole.

For rod mounting, this comes with a 7/16 inch hole.

Part Number

UMCT1-S (surface)

Available in all standard and RAL colors

UMCT1-R (rod)

No available colors

Cable
For mounting to a 1/16 inch or 3/32 inch aircraft cable with easy grip clamp assembly. Cable is not included. Hanger support is every 10 feet maximum.

Part Number

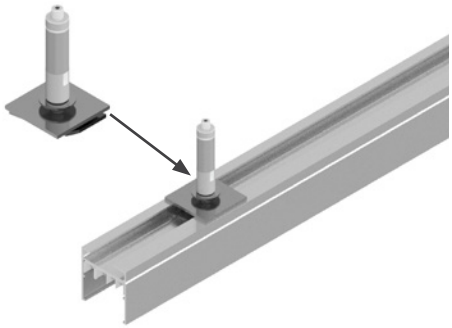
UACH-1 (1/16" cable)

UACH-2 (3/32" cable)

Available in plain zinc

Weight

.2 lb



Crossover Bracket
Two plane (over-under): the most economical method for providing single, two or three phase power in both directions. Use simple straight runs with power feeds from either end.

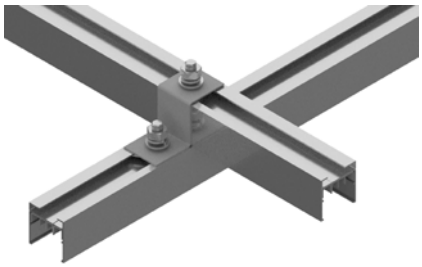
Part Number

UGBT1-OU2

Available in plain zinc

or black (-BLK)

*4 required



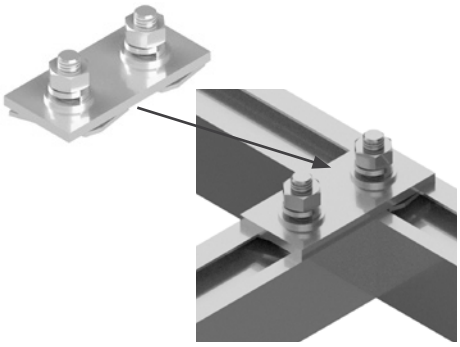
Two-Hole Grid Bracket
Used to make the mechanical connection between two perpendicular pieces of T1 housing.

Part Number

UGBT1-SP2

Available in plain zinc

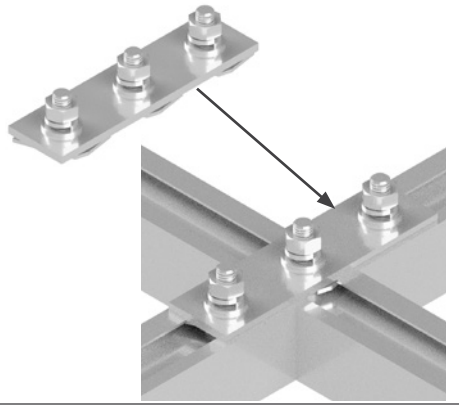
or black (-BLK)



ACCESSORIES: SUPPORT HARDWARE

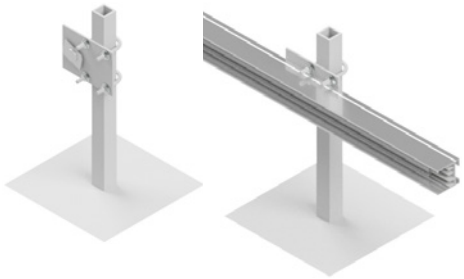
Three-Hole Grid Bracket
Used to make the mechanical connection between three, intersecting pieces of T1 housing.

Part Number
UGBT1-SP3
Available in plain zinc or black (-BLK)



Raised Mounting Bracket
For mounting the busway horizontally (with access slot facing to the side) for under floor applications.

Part Number
URFBT1
Available in plain zinc or black (-BLK)



ACCESSORIES: CONNECTION HARDWARE

Joint Kit
For the connection of adjacent busway sections. Each kit is comprised of an in-line connector and housing coupler.

In-Line Connector: sections of busway are joined electrically by means of an in-line connector.

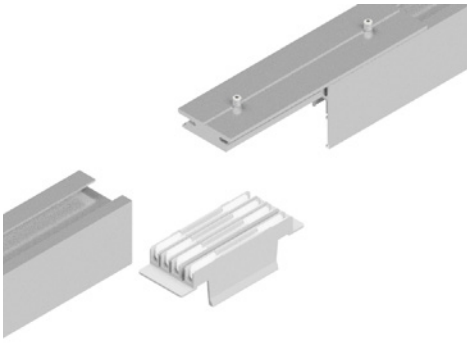
Housing Coupler: sections of busway are joined mechanically by means of a housing coupler. One is required per connection point.

Part Number

UJKT1-2 (for 2-pole systems)

UJKT1-4 (for 4-pole systems)

Available in all standard and RAL colors



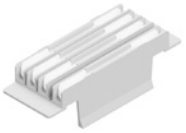
In-Line Connector
The connector is installed by 'snapping' into position with housing sections butted together. All in-line bus connectors are polarized to prevent phase mismatch.

Part Number

UBCT1-2 (for 2-pole systems)

UBCT1-4 (for 4-pole systems)

2-pole connector



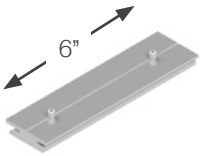
4-pole connector

Housing Coupler
Housing couplers make the mechanical connection between sections of busway.

Part Number

UHCT1

Available in all standard and RAL colors



End Cap
Used for insulating the female end of the busway.

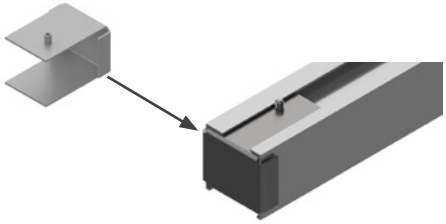
Part Number

UECT1

Available in standard & RAL colors

Weight:

.2 lb



Optional Closure Strip
Made of rigid PVC, the closure strip is used to close the continuous access slot of the busway. It may be used for aesthetic purposes, for keeping dust and dirt from entering the busway or as an added safety measure. It is easily cut to length in the field to be installed around plug-in units.

Part Number

USCT1

Available in standard colors

SERVICES

Universal Global Services offers a comprehensive suite of services from startup and system certification through on-going support contracts and extended warranty programs. To ensure that your Busway system is installed properly you can trust Starline's team of factory certified technicians to perform services throughout the long life of your Starline Track Busway system. Our complete line of services include:

- Load Bank Testing and Equipment Rentals
- Meter Services
- Startup and System Certification
- Engineering Studies
- On-Site Installation Support
- On-Site Product Training
- Extended Warranty and Enhanced Service Plans

Contact your Starline Representative today to add services to your Track Busway order, or download the detailed Statement of Work documents at **downloads.starlinepower.com**.

With over 30 years of experience in the busway market, Starline has the knowledge and expertise to ensure that your Track Busway system is functioning at a best-in-class level. We are currently offering the following services:

Load Bank Testing and Equipment Rentals
Whether you are in need of rental equipment to test your power system or a team of technicians to test the system for you, Universal Global Services has you covered. Select testing equipment from our inventory of load banks and associated gear, or work with a Starline engineer to customize your own test plan to suit your individual needs.

Meter Services
Factory trained and certified technicians will provide comprehensive on-site meter commissioning that includes meter inspection, programming and detailed documentation. Our technicians will program CPM meters and offer optional integration services to your BMS or DCIM for any and all meters located within your facility.

Startup and System Certification
Certified technicians inspect and validate that the installation meets factory standards, ensuring ongoing reliability and compliance with facility safety requirements. Upon successful completion of system startup, Starline's standard one (1) year manufacturer's warranty will be automatically extended in duration.

- Double the length of the standard factory warranty
- Ensure all joint and feed connections are properly installed with continuity testing
- Ensure proper installation of all plug-in units
- Validate that system will perform to your specified requirements
- Full certification report delivered electronically at conclusion of service

Engineering Studies (US Only)
Understanding the dangers and implementing a safety program is imperative to maintaining a safe work environment. Our professional engineers will conduct comprehensive facility electrical studies and recommend corrective actions, confirming your systems reliability and compliance with government and safety requirements.

Turnkey Installation Services (UK Only)
Our trained and factory certified Busbar installers are looking forward to completing your next job. You can order your best-in-class power distribution system and leave the rest to us. Our technicians will complete your installation quickly and safely and will reduce your overall TCO by extending your product warranty.

SERVICES

On-Site Installation Support
On-site installation support begins by scheduling a site trip during your system installation. All work is performed by certified technicians- including review of installation best practices prior to the job, visual inspection of safe system installation, contractor installation oversight, and inspection and verification of functionality after rework.

On-Site Product Training
Certified technicians will provide a comprehensive training course curriculum that meets our high factory system standards, ensuring ongoing reliability of the system while also emphasizing operational safety. This course curriculum takes place in both a classroom and on-site with equipment.

Extended Warranty and Enhanced Service Plans
Ensure that your equipment investment is always covered. Select from an extended factory warranty or one of our many Enhanced Service Plans to meet your organizational requirements.

Contact your Starline Representative today to add services to your Track Busway order, or download detailed Statement of Work documents at **downloads.starlinepower.com**.

Choice of Extended Warranty or Enhanced: Silver, Gold or Platinum Service Plans	Extended 1, 2, 3, 4 years	Silver 1, 2, 3, 4 years	Gold 1, 2, 3, 4 years	Platinum 2, 3, 4 years
Repair or replacement of defective parts throughout life of service agreement	X	X	X	X
24/7 technical support hotline	X	X	X	X
Visual inspection of meters		X	X	X
Visual inspection of all joints for visible gaps		X	X	X
Update firmware and verify all Starline CPMs		X	X	X
Includes travel and expenses		X	X	X
One (1) service site visit per year		X		
Two (2) service site visits per year			X	X
Thermal imaging of all plug-in units			X	X
Thermal imaging of all Busway joints			X	X
Thermal imaging of all end feed units			X	X
Detailed and fully executed thermography report			X	X
Online portal for test reports & documentation			X	X
Spare parts inventory management program				X

Starline, a brand of Legrand, has been a leader in power distribution since 1924. The company's founders led the way for many new technologies in the power distribution equipment industry. Today, Starline continues to pave the way for safer, more innovative and more reliable electrical power distribution systems. Visit **StarlinePower.com** to learn more about our flexible power solutions.

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A brand of legrand®

North American Headquarters
168 Georgetown Road | Canonsburg, PA 15317 | USA | +1 800-245-6378

UK & Northern Europe
Unit C Island Road | Reading RG2 0RP | UK | +44 (0) 1183-043180

Asia Pacific Region
16D Tuas Avenue 1 | #04-60/62 | JTC Space @ Tuas | Singapore 639536 | +65 6950-1247

StarlinePower.com
+1 724-597-7800 | +1 800-245-6378
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