

BUSWAY SUPPORTS ARE SUPPLIED BY OTHERS WITH THE MAXIMUM SPACING BETWEEN HANGER OF 10'-0". A VARIETY OF HANGERS ARE AVAILABLE TO SUIT MOST SITUATIONS (SEE CATALOG).

Tools needed to install Busway: Installation tool (provided), 1/8" allen wrench and a slotted head screw driver. Two persons are needed to install a 10ft. section of 250T5 Starline Track Busway.

- 1) Begin installation at one end of the Busway, preferably at the location of the supplied power source.
- 2) If an end feed box is used, it can be attached before or after the first section of Busway is installed on the supports. Ensure the polarizing stripe on the first Busway section matches the end feed Busway section / stub.
- 3) Attach the hanger bolts to busway supports. Prior to sliding the supports into the busway hanger channel, insert a pair of SBHC250T5-1 housing couplers into the top and bottom channels on one housing. The SBHC250T5-1 and the hanger channel of the Busway are Polarized and can only be inserted one way. Slide the supported hanger bolts into the busway hanger channel. Once in position secure the supports by tightening the hanger bolts. Install additional section(s) in a similar manner.
- 4) Join the two adjacent sections together by first positioning the top SBHC250T5-1 housing coupler equal distance across the two sections. Tighten the set screws securely.
- 5) From the bottom, install one side of the SBC250T5-1 bus connector. The connector bodies are keyed (and labeled) to fit into the appropriate side of the busway sections (RD-BLK-GRN goes into the polarized side and BLU-WHT goes opposite the polarized side). Ensure the connector is centered on the joint. Push the bus connector into the busbar using the ST5IT installation tool. Insert the installation tool inside the slot at the joint, position the collar around the busway housing making sure the radius of the tool is against the bus connector cover. Using the lever, rotate the installation tool and release. Work from one end of the connector body to the other until the copper blades are firmly seated into the channel (more force can be applied by extending the ST5IT handle with a 2 foot piece of pipe). Once the first connector body is in position insert the second by sliding it into the housing opposite the first. Using the ST5IT tool once again seat the bus connector as previously described.
- 6) To complete, center the bottom SBHC250T5-1 between the two sections and tighten the set screws. Repeat the following steps until Busway run is complete. Check to make sure that you have the appropriate elbow (UE250T5C4S-IN or -EX) or tee (UT250T5C4S-IL or -IR, EL, ER) for the direction of travel. Refer to the illustration on right.
- 7) The elbows and tees are designed to carry power around a corner.

**Warning: Plug-in Units cannot be installed into an elbow or tee. You must be a minimum of 6 inches away from the Housing Couplers on the Busway to install a Plug-in Unit.**

- 8) Install elbow and tees onto the end of the Busway section by using the installation tool supplied with your order. The elbow or tee can be installed onto the Busway section before or after suspension. The elbow and tee installs like a standard section (ref step 4, 5 & 6). Check to be sure that all screws are tight and all electrical connections are secure.
- 9) Install the SEC250T5 end cap at the end of the busway run and tighten the set screws to secure it in place.
- 10) The End Feed Units are used to make field wiring connections to the 250T5 Busway at the end of a run. The End Feed box installs like a standard section. Wiring connections are made to the copper blades by means of aluminum box style lugs. For all versions, safety ground connections are made to the bus with the lug provided. Isolated ground systems provide a separate, additional connection.

**Warning: Make sure the power is off before making your wire connections inside the End Feed Box.**

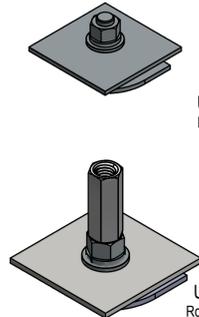
The End Feed Box can be installed on the busway section before or after hanging the busway.

For field wiring:  
Remove the lug from the end feed block. Attach wire to lug. Reinstall back on block. In some cases it may be possible to install wire into the lug with out removing the lug from the block. End feed units will accept up to a 300MCM cables per lug. Secure by tightening the set screw to 325 in.-lbs. Repeat for the remaining connections. (Compression lugs: (2) 250 MCM or (1) 600MCM cable.)

THE ALUMINUM HOUSING IS LISTED BY UL FOR USE AS A GROUND CONDUCTOR. THE PLUG-IN UNITS THAT ARE BOLTED TO THE BUSWAY CAN BE GROUNDED THROUGH THE HOUSING. EXTENSION OF THIS GROUND TO THE CUSTOMER'S EQUIPMENT SHOULD BE DONE IN A MANNER TO COMPLY WITH THE NATIONAL ELECTRIC CODE.

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		Parts List	
ITEM	QTY	PART NUMBER	DESCRIPTION
1	2	F8000003	EC250T5
2	8	SJK250T5-1	JOINT KIT, 250T5, 4P
3	10	UBRHT5-1	ROD HANGER FOR 1/2" ROD, T5
4	2	UE250T5C4S-IN	INTERIOR ELBOW, 250A, 600V, 42kA
5	1	UF250T5C4R-SNSN-0100C	END FEED, REVERSE, COPPER, 250A, 600V, 42kA
6	5	US250T5C4S-0500C	BUSWAY, Cu, 250A, 600V, 42kA
7	1	UT250T5C4S-IL	TEE, IL, 250T5C4, 600V, 42kA



SBHC250T5-1 Housing Coupler

SBC250T5-1 Bus Connector

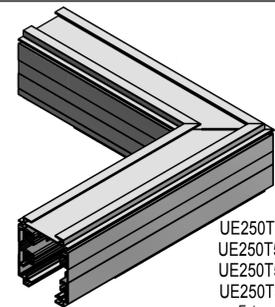
ST5IT Installation tool

SEC250T5 End Cap

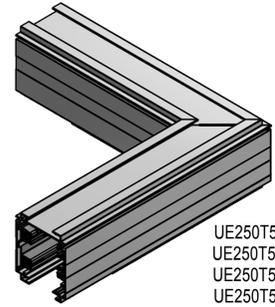
SJK250T5-1 SJK250T5G-1 SJK250T5N-1 SJK250T5F-1 Joint Kit

(Each Joint Kit contains a housing coupler pair (SBHC250T5-1) and a Bus Connector set (SBC250T5)

ELBOW NTS

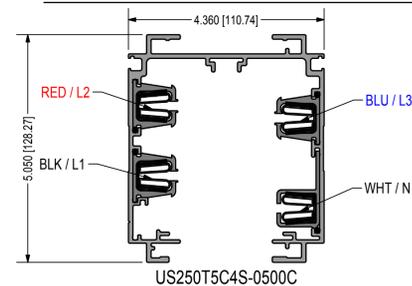


UE250T5C4S-EX  
UE250T5CGS-EX  
UE250T5CNS-EX  
UE250T5CFS-EX  
External Elbow

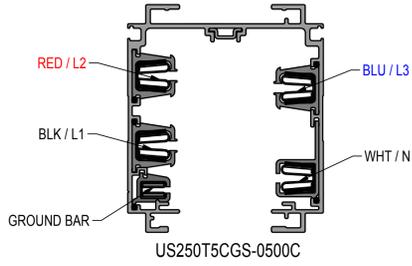


UE250T5C4S-IN  
UE250T5CGS-IN  
UE250T5CNS-IN  
UE250T5CFS-IN  
Internal Elbow

CROSS SECTION 1:2

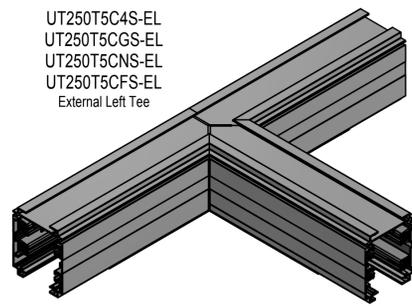


US250T5C4S-0500C

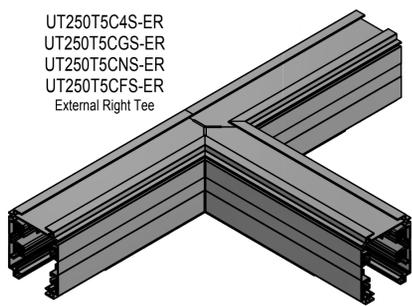


US250T5CGS-0500C

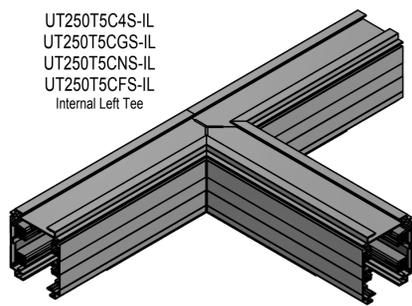
TEES



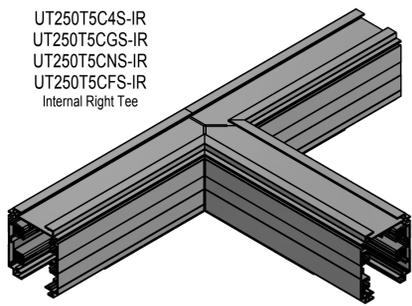
UT250T5C4S-EL  
UE250T5CGS-EL  
UE250T5CNS-EL  
UE250T5CFS-EL  
External Left Tee



UT250T5C4S-ER  
UE250T5CGS-ER  
UE250T5CNS-ER  
UE250T5CFS-ER  
External Right Tee

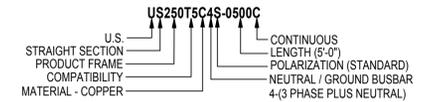


UT250T5C4S-IL  
UE250T5CGS-IL  
UE250T5CNS-IL  
UE250T5CFS-IL  
Internal Left Tee



UT250T5C4S-IR  
UE250T5CGS-IR  
UE250T5CNS-IR  
UE250T5CFS-IR  
Internal Right Tee

NTS



3RD ANGLE PROJECTION		Revision History	
REV	DATE	BY	APP'D

Finished Goods Part Number Assignment		NOTICE: THIS IS A PROPRIETARY AND CONFIDENTIAL DOCUMENT. IT IS THE PROPERTY OF UNIVERSAL ELECTRIC CORPORATION. ANY MEANS OF DUPLICATION OR TRANSMISSION IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN APPROVAL FROM AN AUTHORIZED REPRESENTATIVE OF UNIVERSAL ELECTRIC CORPORATION.	
C - Color (Paint)	H - Phase Configuration		
1 - Unpainted	U - N/A (None)		
1' - Anodized Silver	A' - [A-N]	eschultz 1/3/2017	
2 - Gray	B' - [B-N]	eschultz 1/3/2017	
3 - Black	C' - [C-N]	eschultz 1/3/2017	
4 - White	D' - [D-N]	eschultz 1/3/2017	
5 - Galvanized, Bright	E' - [E-N]	eschultz 1/3/2017	
6 - Red	F' - [F-N]	eschultz 1/3/2017	
7 - Blue	G' - [G-N]	eschultz 1/3/2017	