

# T-Line Code Creator

**IBUS\_20202**  
20202

0.001545

0.029167

1

0.13888

0.001545

30303

**100 MVA Base**

Ckt	Length	kV	R	X	B
1	10.0	69.0	0.029167	0.13888	0.003091
Rate A	Rate B	Rate C	R <sub>0</sub>	X <sub>0</sub>	B <sub>0</sub>
150.0	200.0	220.0	0.089218	0.448086	0.001334
Area	Zone	Owner	iBus	New	iBus Name
1	1	1	20202	<input checked="" type="checkbox"/>	IBUS_20202
jBus	New				
30303	<input type="checkbox"/>				

Help Defaults Force Submit TLine Estimate

```
BAT_BUS_DATA_3,20202,1,1,1,1,69.0,1.0,0.0,1.05,0.95,1.05,0.92,"IBUS_20202"
BAT_BRANCH_DATA,20202,30303,"1",1,20202,,0,0,0,0.029167,0.13888,0.003091,150.0,200.0,220.0,,,,,10.0,,,,
BAT_NEWSEQ
BAT_SEQ_BRANCH_DATA_3,20202, 30303, "1",0,0.089218,0.448086,0.001334,,,,,
```

```
psspy.bus_data_3(20202,[1,1,1,1],[69.0,1.0,0.0,1.05,0.95,1.05,0.92],"IBUS_20202")
psspy.branch_data(20202,30303,"1",[1,20202,,0,0,0],[0.029167,0.13888,0.003091,150.0,200.0,220.0,_f,_f,_f,10.0,_f,_f,_f])
psspy.newseq()
psspy.seq_branch_data_3(20202, 30303, "1",[0],[0.089218,0.448086,0.001334,_f,_f,_f,_f])
```

- (1)  
input ckt Id (or accept default)  
input line length  
input line kV
- (2)  
input normal and emergency ratings
- (3)  
If creating a new bus ...  
input bus area, zone, owner numbers

- (4)  
input positive and zero sequence impedances  
-- or --  
(8)  
get estimates for your ratings  
at your own risk

- (5) and (6)  
input bus voltage  
input bus number  
choose if it is a new bus  
- if a new bus -  
input bus name (or accept default)  
input bus area, zone, owner numbers

- (7) reset form to defaults  
(8) get a conceptual estimate ...  
at your own risk

(9) copy IDV code into PSSE command line

(10) copy Python code into PSSE command line