

Coil Documentation

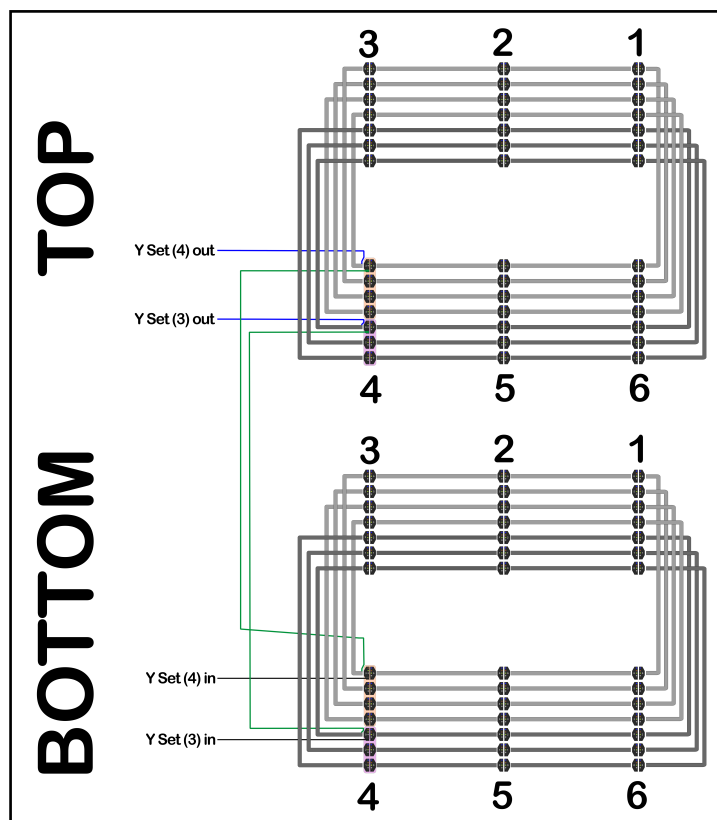
Coil Label	Ω Raw*	Additional Resistors	# Bundle windings	# Cable windings	Cable type
Y Set 4 windings	5.824 Ω	Resistorbox 100 Ω	4	20	2
Y Set 3 windings	4.383 Ω	Resistorbox 100 Ω	3	15	2
Y Stab	1.502 Ω	Resistorbox 20 Ω	1	5	2
Δ Y Set	1.214 Ω	∞ (left open)	4/5	4	2
Δ Y Stab	0.343 Ω	Resistorbox 20 Ω	1/5	1	2
X Set	291.02 Ω	∞ (left open)	8	40	1
X Stab	38.576 Ω	Resistorbox 20 Ω	1	5	1
Z Set	13.537 Ω	∞ (left open)	4/5	4	1
Z Stab	3.693 Ω	Resistorbox 20 Ω	1/5	1	1

*measured with Keysight 34470A 7 1/2 Digit Multimeter Truevolt

Cable type 1 ('old type'): 7mm bundle with 5x 1.8mm Cable
Cable type 2 ('new type'): 10mm bundle with 5x 2.0mm Cable

Resistor Boxes:

- 1 Custom 20 Ω resistor box with BNC connections (4 in, 4 out)
- 2 Custom 100 Ω resistor boxes for Y Set Coils, 2.75A max. (air cooled); Nr. 1 24.7.2020 and Nr. 2 24.7.2020



Wiring Scheme Y Set Coil (3 and 4 windings):

Schematic visualisation of the Y Set connectors and wiring, for both, the 3 Winding and 4 Winding Loops.

The Wiring Scheme is similar for the Y Stab Coil (using wires of Connector #7 (5 Cable windings)), the Δ Y Set Coil (Connector #8 (Black, Grey, Yellow & Brown wires)) and the Δ Y Stab Coil (Connector #8 (Blue wire)).