

Transformer Type	HV Winding	0	2	4	6	8	10	
		YN-yn	A B C	H1-H0 H2-H0 H3-H0	X1-X0 X2-X0 X3-X0	X0-X2 X0-X3 X0-X1	X3-X0 X1-X0 X2-X0	X0-X1 X0-X2 X0-X3

YN-y	A	H1-H0	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3
	B	H2-H0	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1
	C	H3-H0	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2

D-d	A	H1-H3	X1-X3	X1-X2	X3-X2	X3-X1	X2-X1	X3-X2
	B	H2-H1	X2-X1	X2-X3	X1-X3	X1-X2	X3-X2	X3-X1
	C	H3-H2	X3-X2	X3-X1	X2-X1	X2-X3	X1-X3	X1-X2

D-zn	A	H1-(H2H3)	X1-X0	X0-X2	X3-X0	X0-X1	X2-X0	X0-X3
	B	H2-(H1H3)	X2-X0	X0-X3	X1-X0	X0-X2	X3-X0	X0-X1
	C	H3-(H1H2)	X3-X0	X0-X1	X2-X0	X0-X3	X1-X0	X0-X2

Y-yn	A	H1-(H2H3)	X1-X0	X0-X2	X3-X0	X0-X1	X2-X0	X0-X3
	B	H2-(H1H3)	X2-X0	X0-X3	X1-X0	X0-X2	X3-X0	X0-X1
	C	H3-(H1H2)	X3-X0	X0-X1	X2-X0	X0-X3	X1-X0	X0-X2

Y-y	A	H1-(H2H3)	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3
	B	H2-(H1H3)	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1
	C	H3-(H1H2)	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2

Transformer Type	HV Winding	1	3	5	7	9	11	
		Y-zn	A B C	H1-(H2H3) H2-(H1H3) H3-(H1H2)	X1-X0 X2-X0 X3-X0	X0-X2 X0-X3 X0-X1	X3-X0 X1-X0 X2-X0	X0-X1 X0-X2 X0-X3

Y-d	A	H1-(H2H3)	X1-X2	X3-X2	X3-X1	X2-X1	X2-X3	X1-X3
	B	H2-(H1H3)	X2-X3	X1-X3	X1-X2	X3-X2	X3-X1	X2-X1
	C	H3-(H1H2)	X3-X1	X2-X1	X2-X3	X1-X3	X1-X2	X3-X2

YN-zn	A	H1-H3	X0-X2	X3-X0	X0-X1	X2-X0	X0-X3	X1-X0
	B	H2-H1	X0-X3	X2-X0	X0-X2	X3-X0	X0-X1	X2-X0
	C	H3-H2	X0-X1	X1-X0	X0-X3	X1-X0	X0-X2	X3-X0

YN-d	A	H1-H0	X1-X2	X3-X2	X3-X1	X2-X1	X2-X3	X1-X3
	B	H2-H0	X2-X3	X1-X3	X1-X2	X3-X2	X3-X1	X2-X1
	C	H3-H0	X3-X1	X2-X1	X2-X3	X1-X3	X1-X2	X3-X2

D-yn	A	H1-H3	X1-X0	X0-X2	X3-X0	X0-X1	X2-X0	X0-X3
	B	H2-H1	X2-X0	X0-X3	X1-X0	X0-X2	X3-X0	X0-X1
	C	H3-H2	X3-X0	X0-X1	X2-X0	X0-X3	X1-X0	X0-X2

D-y	A	H1-H3	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3
	B	H2-H1	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2	X3-(X1X2)	(X2X3)-X1
	C	H3-H2	X3-(X1X2)	(X2X3)-X1	X2-(X1X3)	(X1X2)-X3	X1-(X2X3)	(X1X3)-X2