Nonreturn to Zero-Level (NRZ-L): negative voltage for 1, positive for 0.
Nonreturn to Zero Inverted (NRZI): transition at beginning is a 1, no trasition for 0.
Bipolar-AMI: Use 3 voltage levels, 0: no signal, 1: alternating positive and negative pulses.
Pseudoternary: like Bipolar, but 1: no signal, 0: alternating pulses.
Manchester: always a mid-bit transition, 1: low to high, 0: high to low. May require transition at start of bit period.
Differential Manchester: always a mid-bit transition, 0: transition at start, 1: no transition at start.
B8ZS: Bipolar-AMI with 8 zero substitution, relpace 8 0's with 000+-0-+ or 000-+0+- to cause two code violations.
HDB3: Bipolar-AMI but replace last of 4 zeros with a code violation.
Replace the first zero with a valid pulse if even number of pulses since last substitution.
4B5B: 4 data bits replaced with 5-bit code using NRZI. No code has more than 1 leading 0 or 2 trailing 0's.

NRZ-L

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially negative

NRZI

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially negative

Bipolar-AMI

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially zero with last pulse negative

Pseudoternary

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially zero with last pulse negative

Manchester

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially negative

Differential Manchester

+																											
0																											
-																											
	0	1	0	0	0	0	1	1	1	0	1	0	1	0	1	1	1										

Assume initially positive

B8ZS

+																											
0																											
-																											
	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1

Assume initially zero with last pulse negative

HDB3

+																											
0																											
-																											
	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	1

Assume initially zero with last pulse negative and odd number of 1's since last substitution