RISE TIME COMPARISONS

CONFIGUATIONS

- LONG CABLE 9 METERS WITH LOADS
- SHORT CABLE 1.25 METERS WITH LOADS
- RISE TIME USED WERE ~1 NS AND ~3-4 NS WITH PSEUDO-RANDOM PATTERN.

SUMMARY

- FOR LONG CABLE DUE TO LOSS IN CABLE NOT MUCH DIFFERENCE.
- FOR SHORT CABLES RISE TIME EFFECTS ON EYE OPENING ARE VERY EVIDENT.

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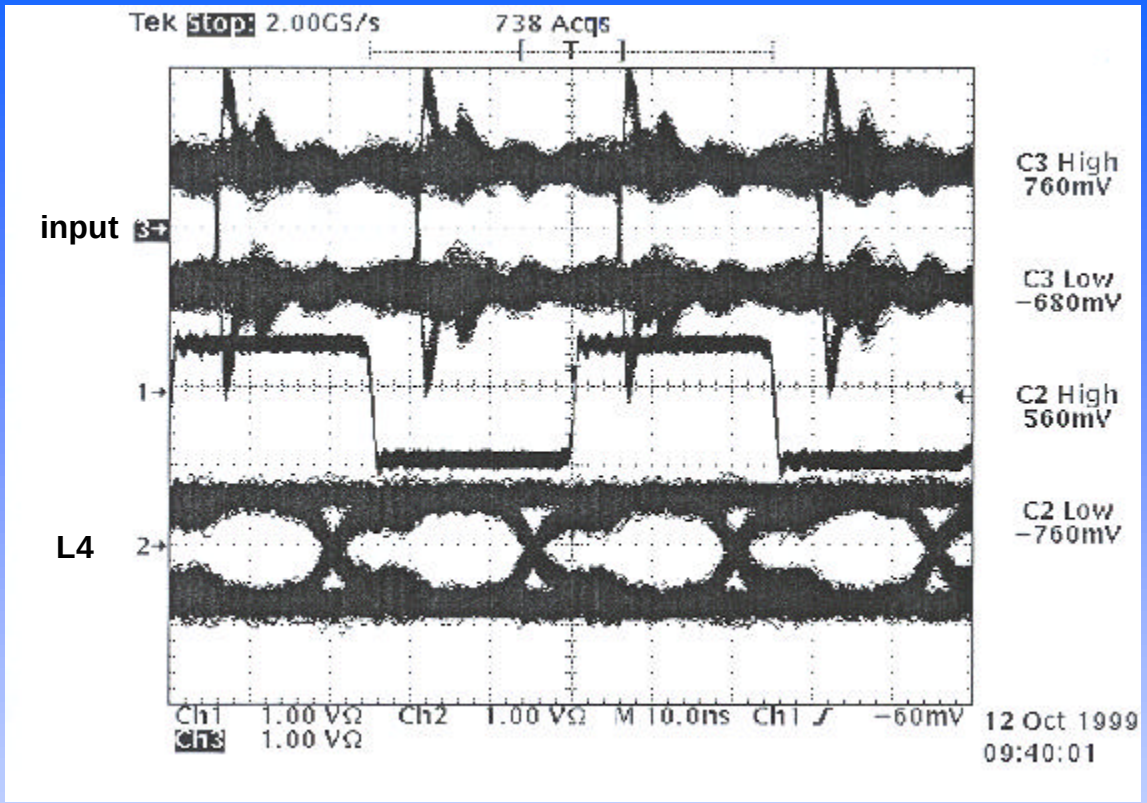
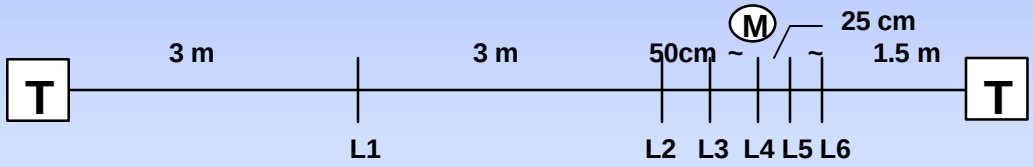
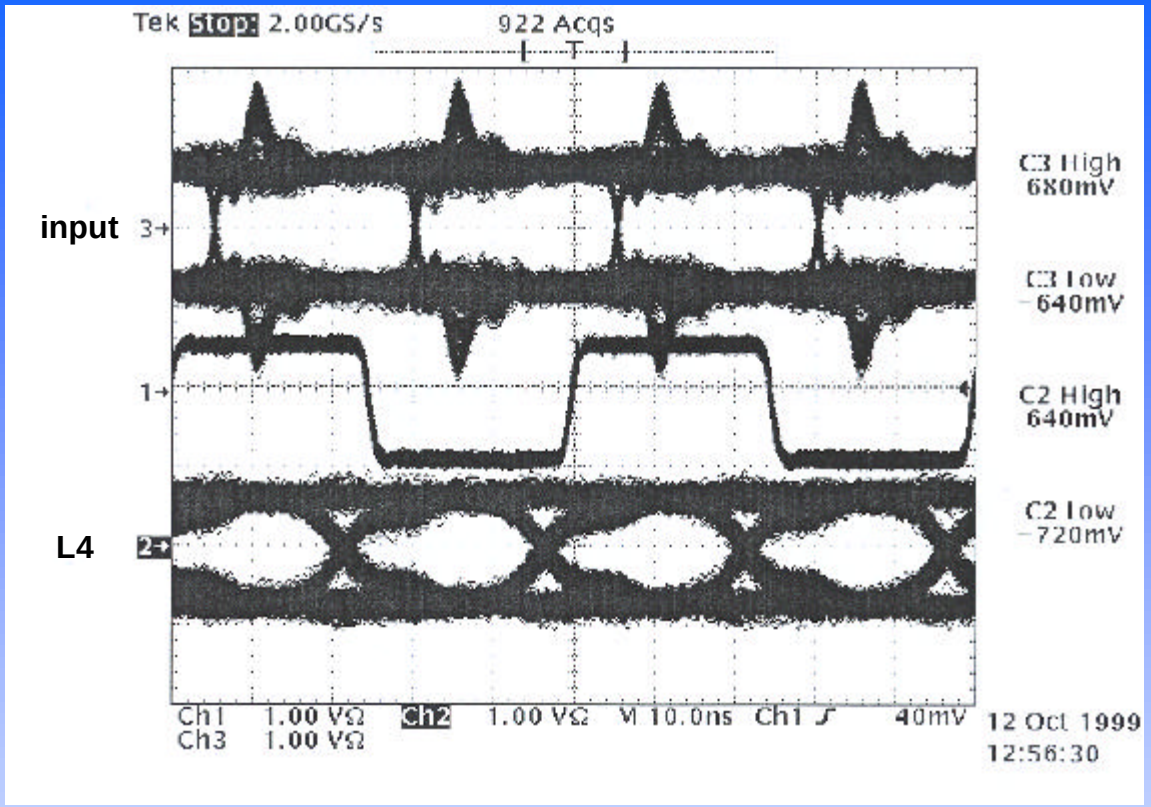


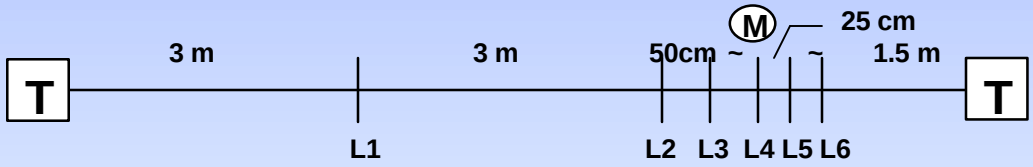


32 AWG twist/flat cable

"Eye diagram for 9 m long pair with fast edges ~ 1 ns "

- looking at L4 -

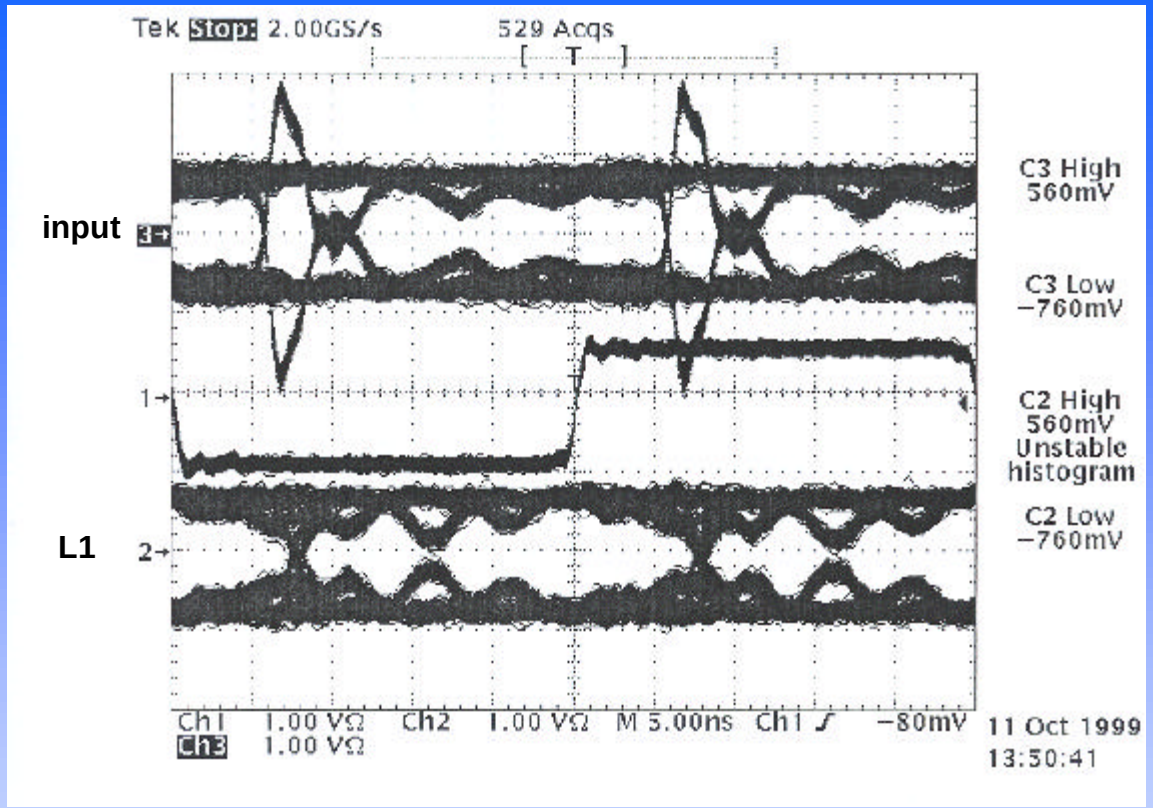


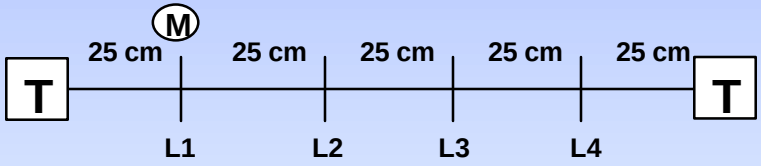


32 AWG twist/flat cable

"Eye diagram for 9 m long pair with slow edges ~ 4 ns "

- looking at L4 -

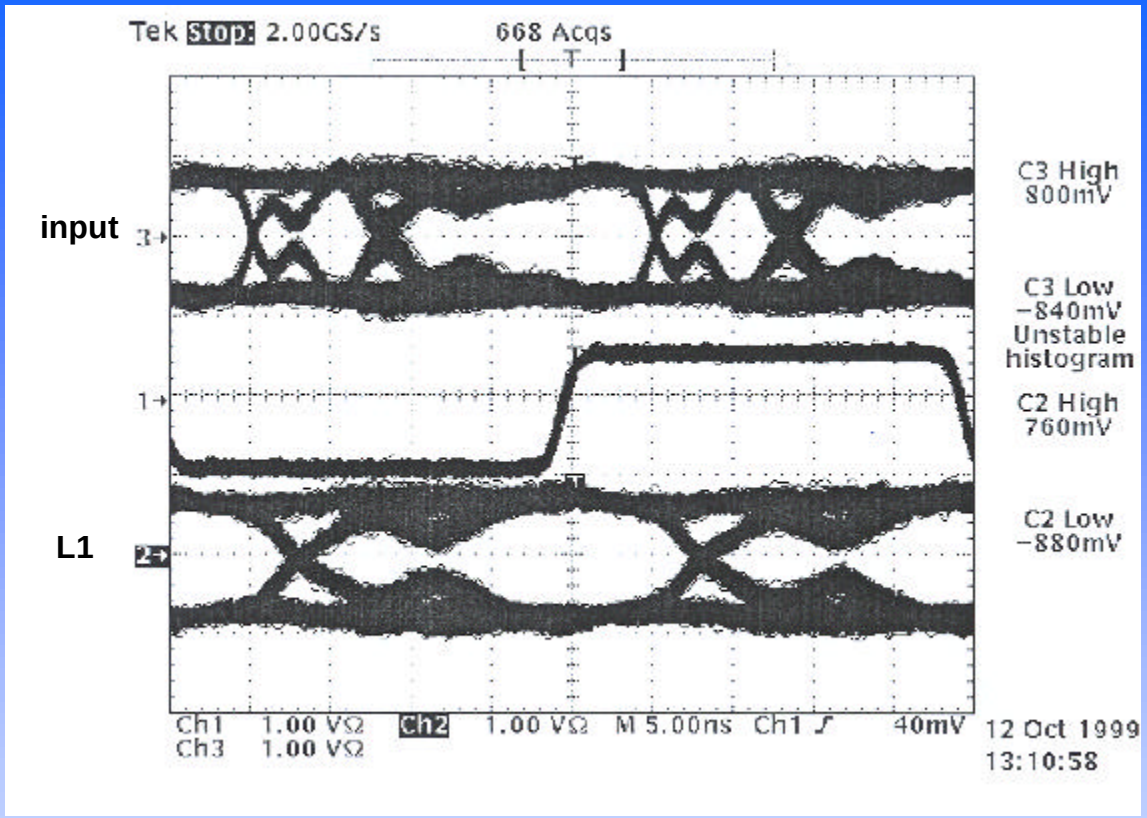


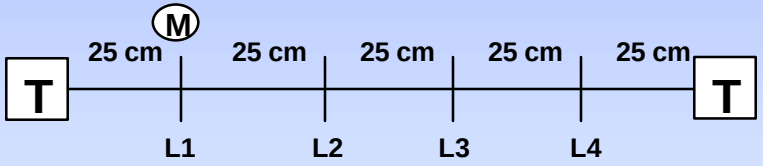


32 AWG twist/flat cable

"Eye diagram for 1.25 m long pair with fast edges ~ 1 ns "

- looking at L1 -

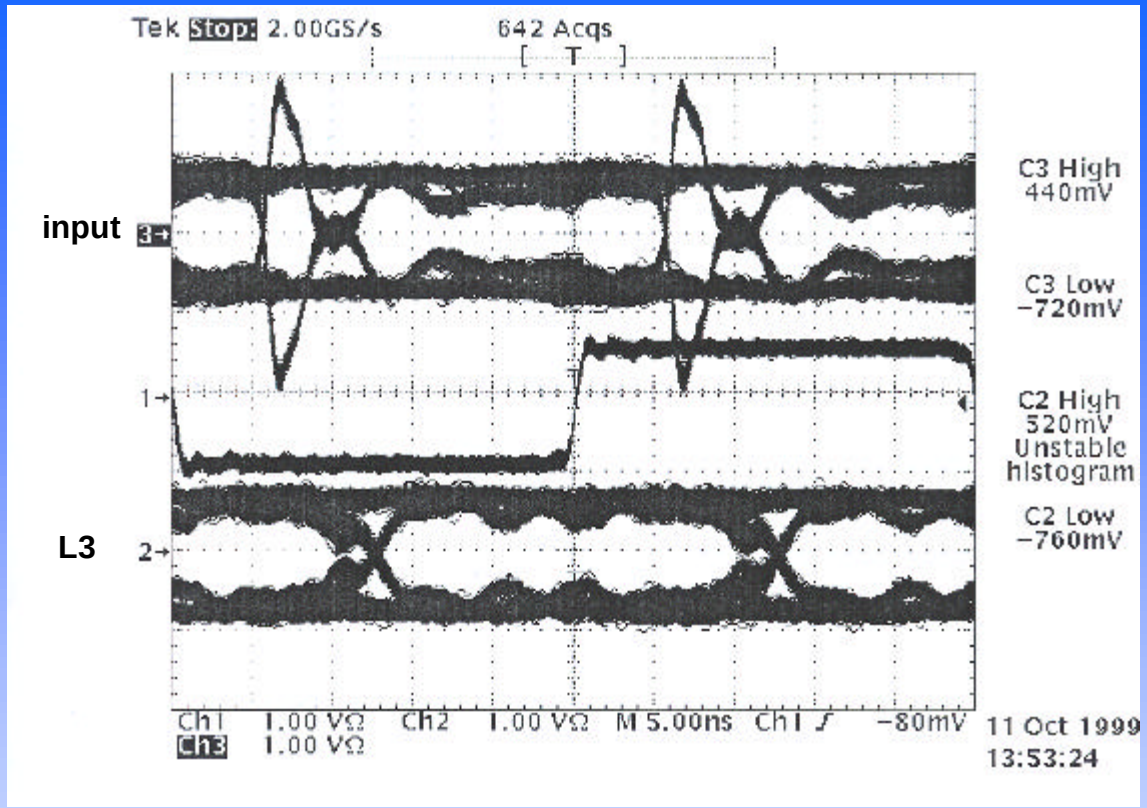


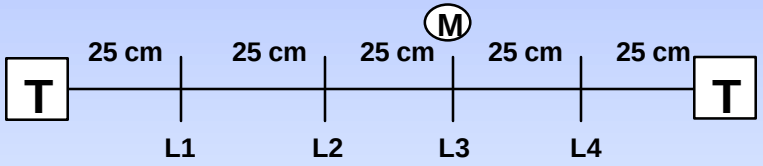


32 AWG twist/flat cable

"Eye diagram for 1.25 m long pair with slow edges ~ 4 ns "

- looking at L1 -

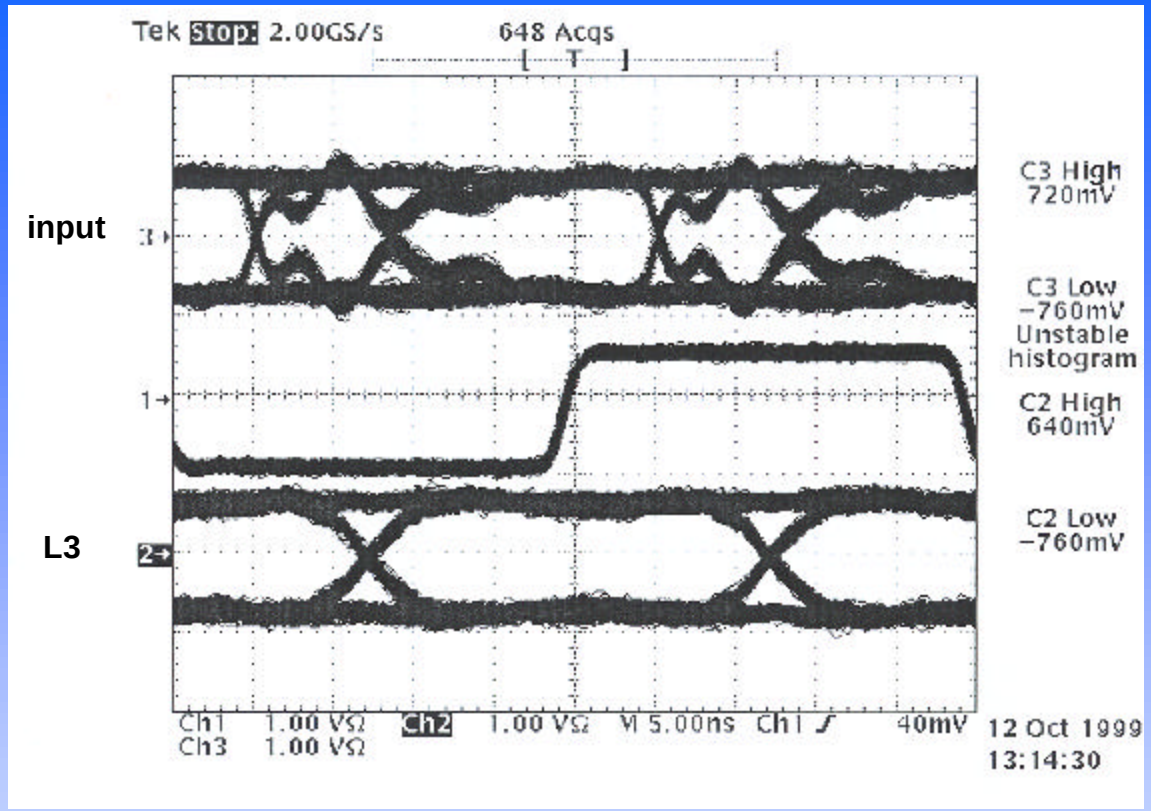


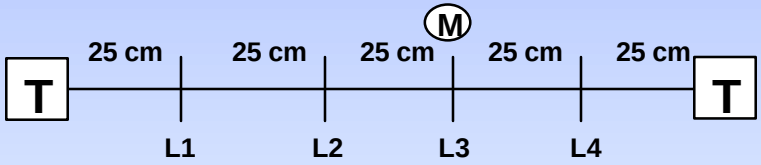


32 AWG twist/flat cable

"Eye diagram for 1.25 m long pair with fast edges ~ 1 ns "

- looking at L3 -





32 AWG twist/flat cable

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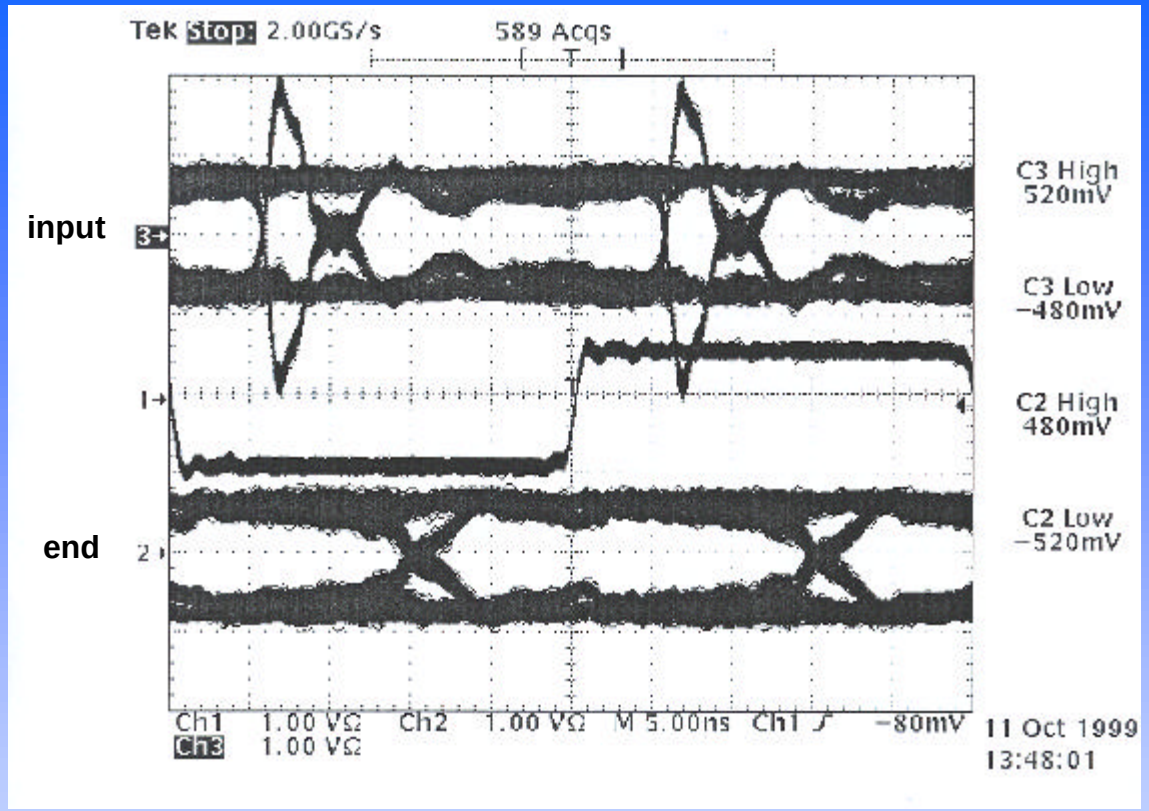
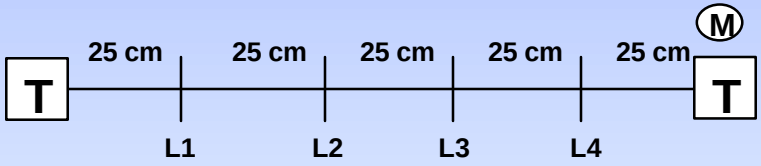
- looking at L3 -

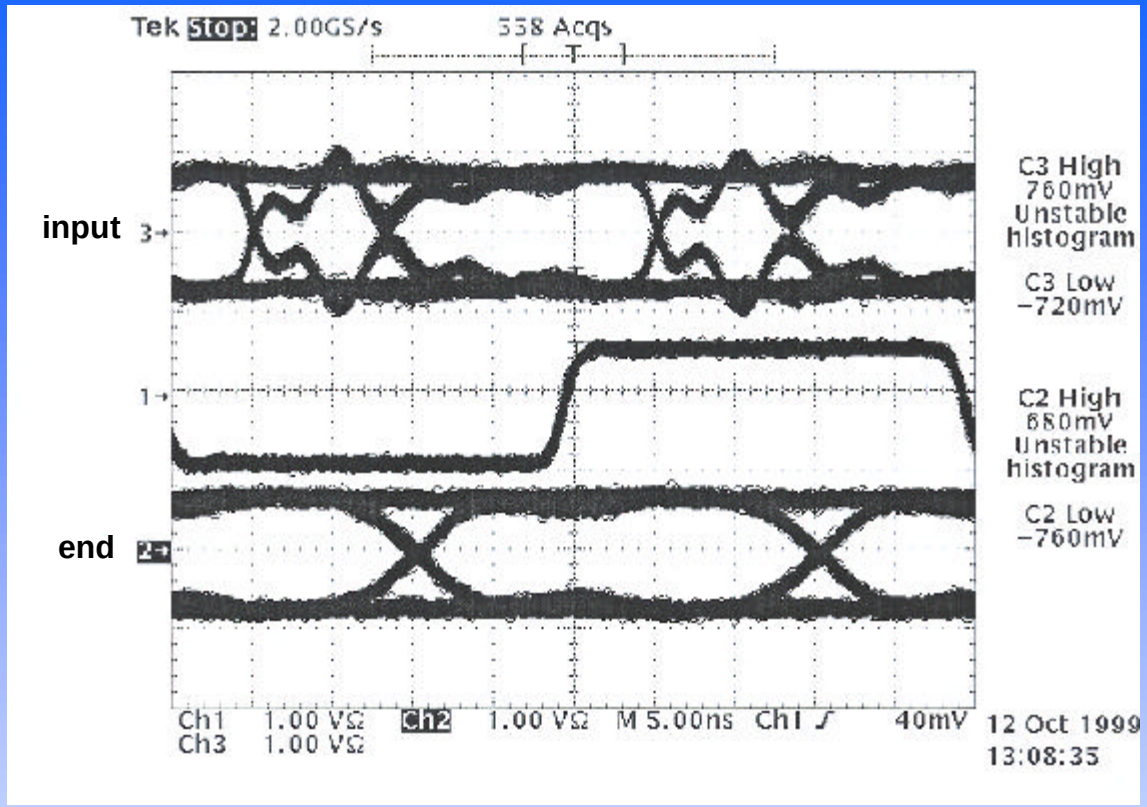


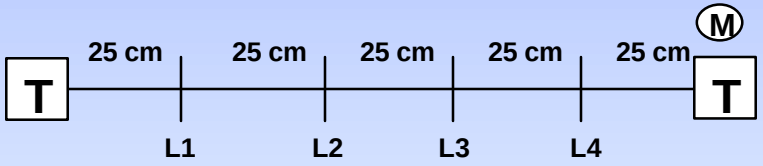


32 AWG twist/flat cable

"Eye diagram for 1.25 m long pair with fast edges ~ 1 ns "

- looking at end -





32 AWG twist/flat cable

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- looking at end -