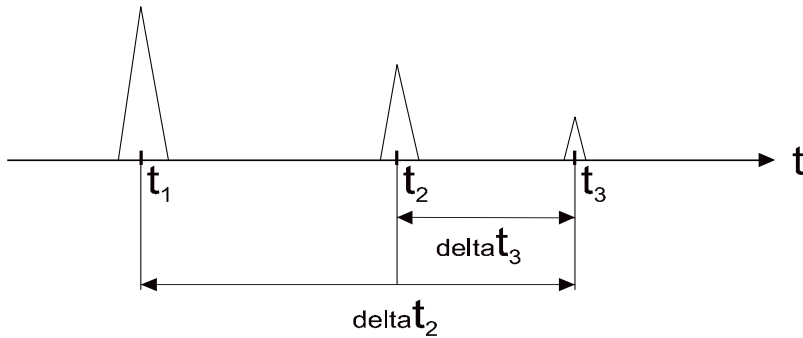


When there is a fault in the cable three pulses as shown below can be seen (reflections from the fault and the two ends of the cable). Using the cursors of the oscilloscope the time differences can be measured and the position of the fault can be calculated.



Cable Fault Location :

$$x = \frac{\text{deltat}_3}{\text{deltat}_2} * s$$

with x = distance from the cable end to the cable fault

and

s = length of cable

