

EXFO

MaxTester 600

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**QUICK  
TDR  
GUIDE**

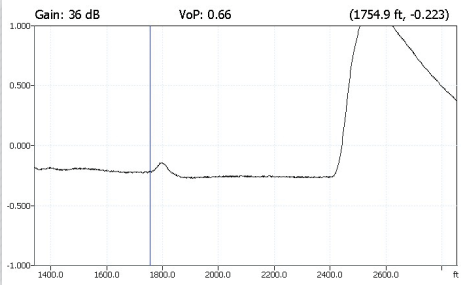
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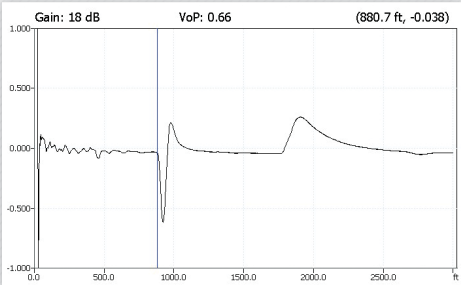
MaxTester

## CABLE-JOINT TRACE



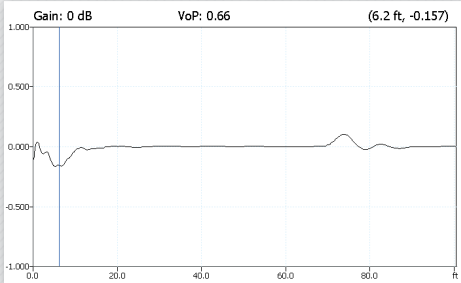
- Gauge changes cause minor reflection
- This is displayed as a minor positive upward bump
- Multiple joints are typical

## BRIDGED TAP/LATERAL



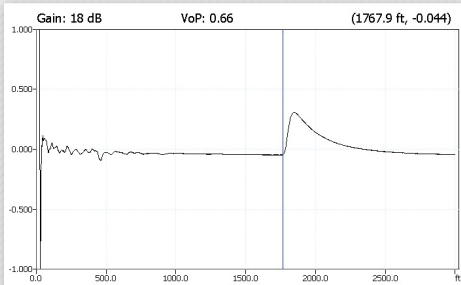
- Typical reflection from a bridged tap
- Reflection reveals the joint and end of the tap/lateral
- The length of the tap/lateral is between reflections

## GROUND FAULT (T/A-G/Earth or R/B-G/Earth)



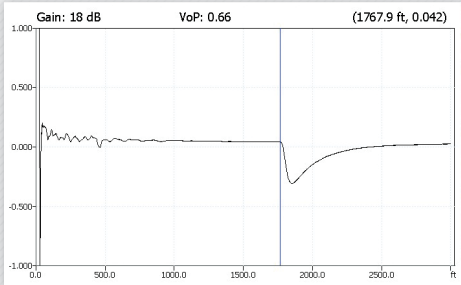
- Ground faults “leak off” TDR energy
- Grounds will show up as a big downward spike on the trace
- Increase the gain to reveal grounds that are further away

## OPEN FAULT



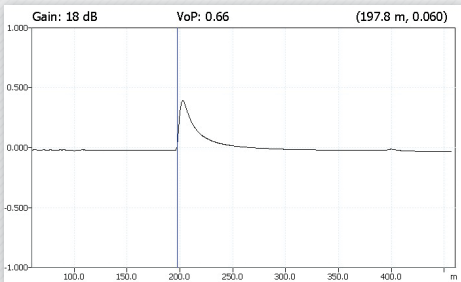
- Open faults create large, sharp upward reflections
- Partial opens create a smaller upward reflection
- The open end of cable also creates an upward reflection

## SHORT FAULT (T/A-R/B)



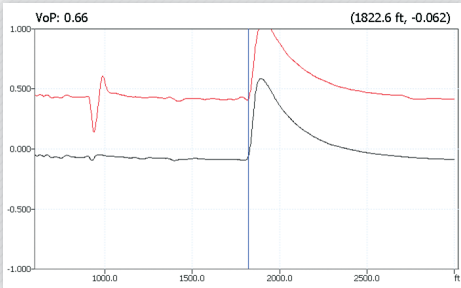
- Shorts leak the TDR signal, causing a large downward reflection
- Shorts are hard to see past when heavily faulted
- Clear the closest short and then run the TDR again

## LOAD COIL TRACE



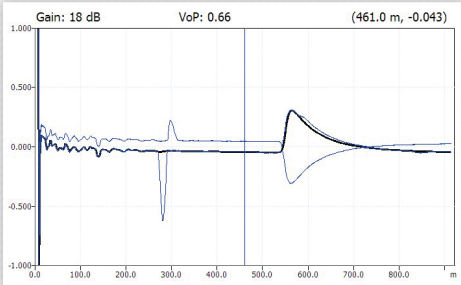
- Load coils create a large, upward-sloping reflection
- The TDR cannot “see” beyond a load coil
- Remove the first coil and then run the TDR again

## DUAL TRACE/DIFFERENTIAL VIEW TRACE



- Displays the difference between the traces
- Compares the live trace to a saved trace
- Helps reveal differences between pairs

## PEAK TDR TRACE



- The light trace holds the last largest deflection
- Peak mode reveals intermittent faults
- Continuously updated

EXFO's MaxTester 600 family of copper test equipment are fast, easy-to-use and cost-effective solutions for installing and activating multiplay services over ADSL2+, VDSL2, G.fast<sup>a</sup>, and Ethernet.

## KEY FEATURES

1. Complete copper testing<sup>b</sup>, including TDR, RFL, DVOM and wideband
2. Best-in-class G.fast<sup>a</sup>, VDSL2 and ADSL2+ performance testing
3. 6-inch sunlight-readable, high-resolution touchscreen display
4. SmartR graphical, plain-language fault finders
5. IP54-rated for dust/water ingress

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FOR MORE INFORMATION, PLEASE  
GO TO [WWW.EXFO.COM/MAX635G](http://WWW.EXFO.COM/MAX635G)

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a. Available for MAX-635G only.

b. Available for MAX-610, MAX-635 and MAX-635G.