

## Poor Extrusion of the semiconductor layer of the 22kV XLPE Cable



Asset: 22kV XLPE Cable

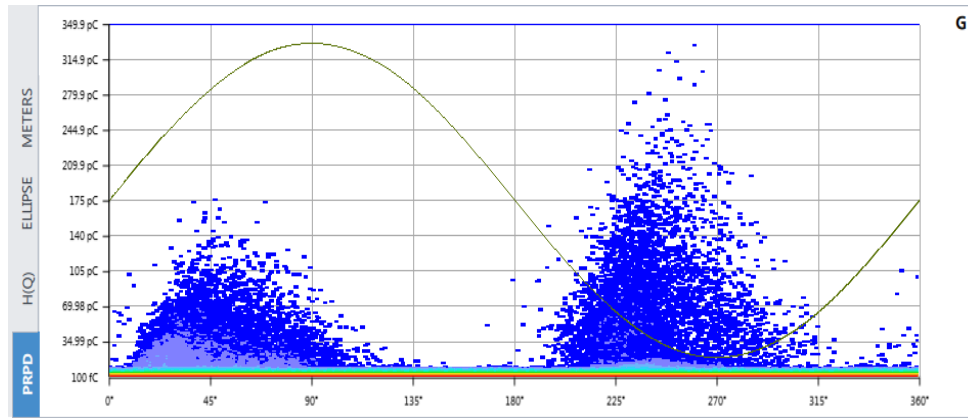
PD sensor: 1nF Coupling Capacitor

06 & 07 May 2024 PD was detected at cable during offline PD measurement.  
Using TDR method, the fault was estimated at the 25m mark.

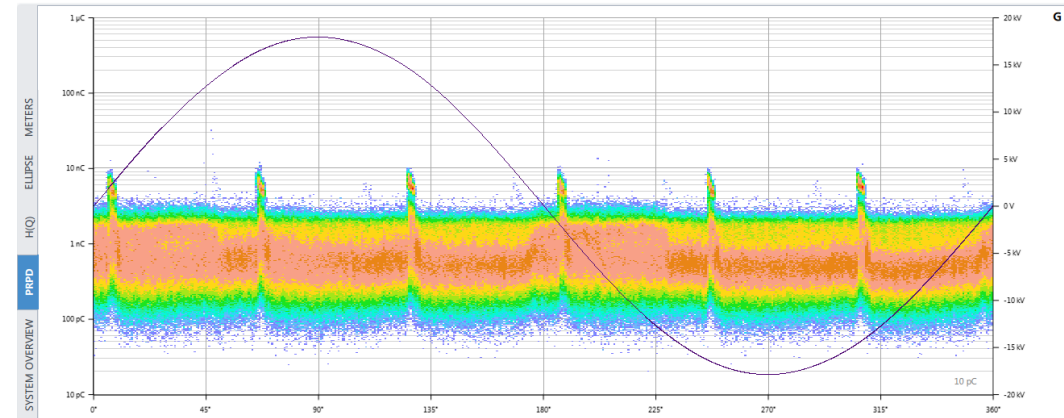
13 May 2024 Poor extrusion of the semiconductor layer was found, approximately at  
the 25m mark.

16 May 2024 No PD detected after rectification.

## Comparison of offline PD Measurement using 1nF coupling capacitors



PD detected at test voltage of  $U_0$  (12.7kV)



No PD detected after replacement of cable joint and cable