

OHL whole conductor fatigue testing

Equipment

■ Operating specification

- End/suspension clamp(s): To customer requirements
- Temperature: 22 °C (room temperature)
- Maximum load capacity: ... 40 kN
- Line length: 6 m
- Frequency: ~ 50 Hz
- Control modes: Static - load or displacement
Dynamic – $y_b(89\text{mm})$, $y_{\max}(\text{mid-span})$
- Instrumentation: Force - load cell
Displacement – $y_b(89\text{mm})$, $y_{\max}(\text{mid-span})$
Local (wire) strain – resistance strain gauges
Crack detection – rotary sensor

