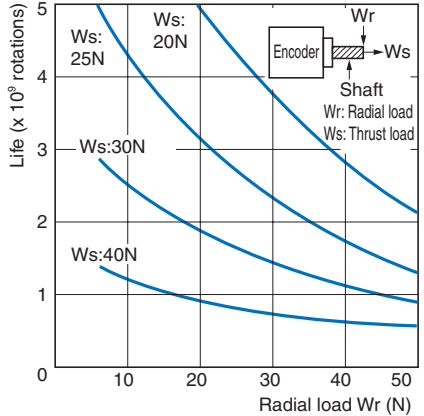
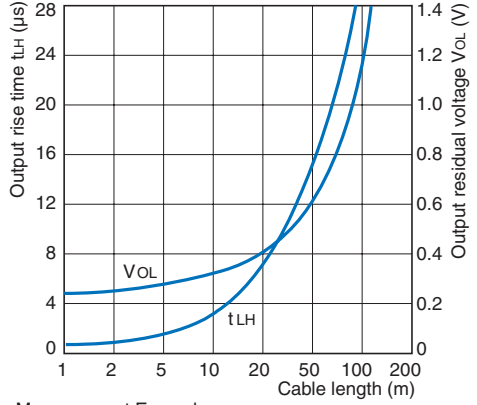


Interpreting Engineering Data

Bearing Life	Cable Extension Characteristics
<p>E6B2-C</p>  <p>Life ($\times 10^8$ rotations)</p> <p>Ws: 25N</p> <p>Ws: 20N</p> <p>Ws: 30N</p> <p>Ws: 40N</p> <p>Radial load W_r (N)</p> <p>Encoder</p> <p>Shaft</p> <p>W_r: Radial load</p> <p>W_s: Thrust load</p>	<p>E6B2-CWZ6C</p>  <p>Output rise time t_{LH} (μs)</p> <p>Output residual voltage V_{OL} (V)</p> <p>Cable length (m)</p> <p>V_{OL}</p> <p>t_{LH}</p> <p>Measurement Example</p> <p>Power supply voltage: 5 VDC</p> <p>Load resistance: 1 kΩ (Output residual voltage is measured at a 35 mA load current.)</p> <p>Cable: Special Cable</p>
<ul style="list-style-type: none"> • This graph shows the relationship between mechanical life and the load applied to the shaft. • The size of the load during rotation affects the life of the bearings. 	<ul style="list-style-type: none"> • This graph shows the effect of the output waveform if the cable is extended. • Extending the cable length not only changes the startup time, but also increases the output residual voltage.